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<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

<400> 220
cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa      60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaacaaagt     120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat     180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca     240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag     300
tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta     360
gcagtgttct agttcctact gccttatctt taagctganc nnaaataaaa ttatattttg     420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat     480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctcccact     540
tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaac     600
ctcagtctag tatttgttga atgactaatg gaaaatttag ttnataaaca gaactttctt     660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc     720
catntgnccc ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc     780
ctttggcatt tt                                                         792

<210> 221
<211> 759
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

<400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct      60
gcaaggaaaa tttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt   120
cactgatgca tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga     180
ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcatttccta     240
catancccct tgcatttatg gttggctttt gaccttgcta gaagggaaag aagtgcaaat     300
gtgtcctcct tagagctact ctcctcccct tggtgggttt ccagtttgtg cattgtcccg     360
atggcccagg agctgacgat caaagggaag aagtcatgtt tgtcatgaga atgctttgct     420
gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcaggc     480
tggagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac     540
aggagtgagc cgaagtgctc cctttggatt tccaaagtgg gtgctgctgc ttctcccatc     600
agccttgctt ctgaccccaa tgcgttcctg gtgccttctt cttggcattt tgctgtcggg     660
ggcccaagga aaaaaattcc tgcatggcag tggtgaaaaa agatggctgc ctgctgaaac     720
ctgatttggc ctgggtaagc cttttggagc cccggttaa                            759

<210> 222
<211> 699
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(699)
<223> n = A,T,C or G
```

<400> 222
cctttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60
ccacactgac ctctggnctt nttnncgccc gatgattttt aattagttga atccctttac 120
ttgttatata tgtattccta tatttctgttc cttcttggat ttactttttat gattggtgcc 180
[illegible] tttatttcta gtttatggta cttcatgtgt ttaggttttc tagacagtgg 240
adatagaaga ttcaagaagc taaatgtagg aggatgtnta atgtaggane ntgaggcnac 300
natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360
gccatagnta atattgatgg tgtaagtcaa ataanaaggc agggggaaag ggacatccat 420
cactgaacca canatcagag nctcattgaa gcctttgaga agaatccaca aaatttttaca 480
ggataattcc tttcctgcga tcaccacnag aagagaaact ggttaaacag acaggtattc 540
cagagtccaa aaatttacat ttggtttcng aaccaaagac ctcagctccc aggccacagc 600
aaaagggggc ttatgaattc cctggcaccc agnccnaaga cccaanaacc tcatcttgat 660
tggtttnggg cttgggaaac caaaaaacca atgggtggc 699

<210> 223
<211> 598
<212> DNA
<213> Homo sapien

<400> 223
aaaaagagaa agtttcagat ttgccattca agccttattt atatatatgt gtgtgtatat 60
aaatacatgc acacacttgc atacatatat atttttggct ggggggagtgt gagttttgcc 120
ttttctaagga agggaccgcg caggctcctt tgttctgtat tctggcggag atgggtcctg 180
gccttgtgtc actggcttat ccttaaagat catctcccat cctccccagc gccatctgtg 240
tgcagccacc agaaagggat gaacttggcc ctcttgcggg cctggacaag gtctcttcct 300
taccctttct gttgccagtc agcaacctgt aactcacatt ctcttcccag tgaatccctg 360
ggagcgcctg accctggtgg gctgttcagc ttcctgctgc tggggccagc aatttttgag 420
gattatatctt taggccaggc ttgcctccgt acttatccct gctctcccat ttctctcttg 480
tttgagagag aatgaggaag caaagagtga gaaagaatag gagctgaaga cagccactcc 540
agacggcrct ttctatcctg ctcttctgtt gaaacacacg tgctgtgggc ctcaggcg 598

<210> 224
<211> 501
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

<400> 224
aaaccttttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta 60
tcctgaggac atctctcaac tctggcctta gttccccctc tgtaaaatta ggtgccaac 120
taaatgatct acaaggtccc ttccagcgcc gccattctgt aattacatca tgtgtaactg 180
tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg 240
gtttgttcag aatacactat gaactccttt ccaaagacgg gttgtggtaa atagtggata 300
ttttgattat aagaaataga gtttccttga agctttagct ggagatacag caatagtgtg 360
gtgttcctac aaatatcaca gtgtattcaa acatattttt ctatcaaaaa tcatttttgt 420
aaaagctgtg tgttttttatc caacttgtga taataaatgt tctttatttc agaacaaana 480
aaaaaaaaaa aaaaaaaaaa a 501

<210> 225
<211> 295

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     <212> DNA
     <213> Homo sapien

     <400> 225
cctgtatagg gctcgtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg        60
aaggccagcc cacacccagc tactttaaca ccaggtttat ggaaaatgtc aggaaaaaaa       120
aaaaaaaaaa cacatgcact cacacaatac ccaaacatca raattagaag ggcataaaac       180
agggggcttt ataggctgaa aaatacctta ratttcaraa cagaatacca atcaaatatt       240
gaaaattcct ttgttcaaaa cacaaagatg ttttgttttt aatgggagtt ttttt            295

     <210> 226
     <211> 372
     <212> DNA
     <213> Homo sapien

     <400> 226
agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg        60
gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt       120
ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca       180
ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat       240
tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat       300
taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tctagtccgt       360
atgaaatgaa at                                                           372

     <210> 227
     <211> 599
     <212> DNA
     <213> Homo sapien

     <400> 227
ggcccccgtc gcgggagccg cttcgggcct tctgggcatg tctgccatat ggctccaggt        60
ttgtttttct ccccggcact ctgacgggga gggctcccgg catctcctgg catccgggta       120
gaggacgcgg aggatgctga gctgctggcg cactgcagcc caactagaga tgtacggatg       180
cccccatctt gatcttacag aatcagaggt acagccgcga gaaagagtca agaacagaca       240
gagtcgcttg aggactcagg agggtgtttg ctgcgttgac aacagactac accctcacag       300
tttgctctgc tcttccaaca ccagtggaag atgatcacat cccagggatc agtgtcgttt       360
agggatgtga ctgtgggctt cactcaagag gagtggcagc atctggaccc tgctcagagg       420
accctgtaca gggatgtgat gctggagaac tacagccacc ttgtctcagt agggtattgc       480
attcctaaac cagaagtgat tctcaagttg gagaaaggcg aggagccatg gatattagag       540
gaaaaatttc caagccagag tcatctggaa ttaattaata ccagtagaaa ctattcaat        599

     <210> 228
     <211> 343
     <212> DNA
     <213> Homo sapien

     <400> 228
aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca        60
tgtggctggt agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaag       120
ttctgttgga cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg       180
ttgttaatgt tgatgtcttc attggatggg tcataatgtt ccatgaaacc gctcaagtac       240
acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttcttttgc       300
agcttcctat aaagtttgtc ttcctcaaaa aaaaaaaaaa aaa                        343

     <210> 229
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<211> 417
<212> DNA
<213> Homo sapien

<400> 229
gtcaagctgc agtcaaaagg gtatggttct ggatggttcc ccccagggag caggtatgta 60
ggaggtgaag aaaactgaga tttcaagtat gggagagttt ttactatctc cattcctgga 120
ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag 180
aaaagcattc ttcctctgga gtactggtgt actaagggga caatacacca aatttgttga 240
gtttacaatc aagtctacta aggttggact tccttatcag tttggcagag tcccagggca 300
gaataatcat ccatctacag gtctctgttt cctctccctc cgcagcagtg gagagcatcc 360
cagtgtttgg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttgg 417

<210> 230
<211> 462
<212> DNA
<213> Homo sapien

<400> 230
gaaataccag aagagaaagt ttcattgtgc aaatctaact tcatggcctc gctggctgta 60
ttccttatat gatgctgaga ccttaatgga cagaatcaag aaacagctac gtgaatggga 120
cgaaaatcta aacgatgatt ctcttccttc aaatccaata gattcttctt acagagtagc 180
tgcttgtctt cctattgatg atgtattgag aattcagctc cttaaaattg gcagtgctat 240
ccagccactt cgctgtgaat tagacattat gaataaatgt acttcccttt gctgtaaaca 300
atgtcaagaa acagaaataa caaccaaaaa tgaaatattc agtttatcct tatgtggccc 360
gatggcagct tatgtgaatc ctcatggata tgtgcatgag acacttactg tgtataaggc 420
ttgcaacttg aatctgatag gccggccttc tacagaacac ag 462

<210> 231
<211> 328
<212> DNA
<213> Homo sapien

<400> 231
ctgtgggttt tcctaaacgc ccctcatctg gttgaagccc tagtgtttct ttctcacatc 60
agaggcaaat gcattggggt gggtctggtt tggacaataa atttcctctg gtttggacca 120
agaaaaacag agttctttga ccgctaacat atatgtaaaa agaaagtttg taaaaacaag 180
agttaaaatg cttctaacag tgtggtcatc actgcacagg acactggaat tggcattcgg 240
ggttgtgtct gtccatgtgg tttcgttgta tgtcatgtgc tctcagctca gacagagaca 300
tccaattgac ttctgacttg gggcattt 328

<210> 232
<211> 595
<212> DNA
<213> Homo sapien

<400> 232
cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga atttttagct 60
gtgcagatag gtgatgttgg gatggaaaat gctaatcaac taccctttct tttatcaagt 120
aattaaaata aatctacata aagaaccaaa aaggctgttt tataaaagtg aaatatccag 180
tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat ttttttccag 240
tgaggataga cccaagtggg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc 300
atttaacagc ataatttgtg ggaagactgg aatagggctg aataaatgtg tttgaatctc 360
taattttata cttttctttc ctgaggaact tgatttttct gtccctggat cgccttgtca 420
taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagttg 480

gatgatcagt ttttataaa aatatatatt tttgtccaag aaaaaaaaaa gcatacatat 540
gtgattatgg ctaaatcaaa ggtaactgga atgtatatac ttttgctaat gttcc 595

<210> 233
<211> 600
<212> DNA
<213> Homo sapien

<400> 233
atgaaggtaa actctaaaat cttcatnggt caacaaagaa aatttatcct tcacacttat 60
ttctagaaag cagcagggct tatttcctag attgcttaca atgaagctag aatatctgcg 120
ataactgtag agtttcaaaa aggatcccta gggctacttc tacgttctcc ttaccagttg 180
agcactctcc ataatttcca gacgggtcat gggggagaat gatagaaatg agcgtgggaa 240
gaaagacaat gaaattagaa atgggtgaga cacatggtgg tagaatgcta agagcaggga 300
tcaggacaat caaccaggtg tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa 360
tgttagggag aaataaactc aaaggaaaca ccacattttt ccaattaaac tcaaatctat 420
tgacttgtgg tggttctttg atgttgtggg gactgctata acagaaacca attggatttt 480
caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg 540
aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt 600

<210> 234
<211> 500
<212> DNA
<213> Homo sapien

<400> 234
aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat 60
aatttcatgg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120
cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaat 180
gtctgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa 240
aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttattt gaagtttgga 300
gtaagaggtg agtgcttggc aattttcaac actcccctca aaaatctccc aaagttgcaa 360
aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420
cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
acttttccct tccagttttt 500

<210> 235
<211> 159
<212> DNA
<213> Homo sapien

<400> 235
aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggtctg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
<211> 254
<212> DNA
<213> Homo sapien

<400> 236
aaataagtga atnagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt 60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
agagggctta agaatttgkc catttgcatt cggaaaagaa tgaccagcaa aaggtttact 180

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aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa      240
gctgcaagag gact                                                       254

      <210> 237
      <211> 591
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(591)
      <223> n = A,T,C or G

      <400> 237
tttttttttt tttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara       60
catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct      120
tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat      180
ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact      240
gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc      300
cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc      360
cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa      420
ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg      480
tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg      540
atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t               591

      <210> 238
      <211> 252
      <212> DNA
      <213> Homo sapien

      <400> 238
aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata       60
tcagttacca aacattacaa aaaattttat ggccccaaat gaccaacgaa attgttacaa      120
tagaatttat ccaatttgta tctttttata ttcttctacc acacctggaa acagaccaat      180
agacattttg gggttttata ataggatttt gtataaagca ttactctttt tcaataaatt      240
gttttttaat tt                                                          252

      <210> 239
      <211> 153
      <212> DNA
      <213> Homo sapien

      <400> 239
ccacaataaa gtttacttgt aaaattttag aggccattac tccaattatg ttgcacgtac       60
actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgac      120
ccggagtctc tggtgtaccc tcttaccagt cag                                   153

      <210> 240
      <211> 362
      <212> DNA
      <213> Homo sapien

      <400> 240
aaaaaaacca tctaaaagtg gttttttaat atatatattt tttccaaagg aagaaatttc       60
ttgcttttac tcagggaaaa aaaaaaatta aggtacattt gagtagaatg atttcatcta      120
```

aaagagttct ttcaggagac atctgtgatt cactgcattg tttttatttt cttctttttc 180
ctcttctttt ccaacatttc taccattttc ctcttcttgg ttgatatcag gccactttct 240
tttgttgctt tcttactgtc acctgttaaa ccgcgtttct ttgtgttagg ttttgaccgc 300
ttttcttctt tgtgcactgt gtcaccaggc tcctttttgc caattttgga ctgttctttc 360
cttacagcag aaggctctgc ag 382

<210> 241
<211> 400
<212> DNA
<213> Homo sapien

<400> 241
ggcatgagcc accgcgcccg gccctatctt ttacttttat aaatagagat gaagtttcac 60
catgttgccc aggctggtat cgagctcctg ggctcaagcg atcccccaac cttggccttc 120
caaagtgctg ggattacaag cgcgagccac cgaaattatt cttaactagc aagactaggc 180
tctgacatca catccttata gttacatccc tttaagcagg gttcagccac tcactctgca 240
cctggagaac ttgatggtta tccctcgaag tgacagtcct gcaaatgaca aaaacactcc 300
aaatctatta ggttggtgca aaagtaatta cgctttttgc cactgaaggt aagtcccaca 360
ggaccctgag ggaaatggga gggtggggta tacatagcag 400

<210> 242
<211> 75
<212> DNA
<213> Homo sapien

<400> 242
acttacatat gcagacctga cactcaaggg tggctagcta cacagagtcc atctaatttt 60
tgcaacttcc tgtgg 75

<210> 243
<211> 192
<212> DNA
<213> Homo sapien

<400> 243
gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60
ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atggagcaac atcagggagt 120
ggctgttctg ggattgcccc ttattgctat gggggaggag attggtgcag agatggcatt 180
acgaaccttt gg 192

<210> 244
<211> 616
<212> DNA
<213> Homo sapien

<400> 244
aattttatag ccatatactg accattctaa aaataacaaa atacatgttg ctctcaacta 60
catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagtgag 120
ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatcttttc 180
atagcctaaa atcaccatac aaaatctaat aataaaattg tgtcgtgttc aggagttggg 240
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct 300
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca 360
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420
tacttaactg ctaaaaagta cttcaagatc ttgcactgcc ttgagtgagt ataatcaaat 480
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaataa 540

```
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt gagttatttt      600
gctatacaag gttttt                                                      616

      <210> 245
      <211> 165
      <212> DNA
      <213> Homo sapien

      <400> 245
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta       60
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc      120
taccctgaag gttatagaac actcccaaga aacagcaaga caagg                      165

      <210> 246
      <211> 229
      <212> DNA
      <213> Homo sapien

      <400> 246
tgtactggat ccctccaggt aggggcgact ctcacctgac tattacaata gcctcctaag       60
tggtttccct acttgcaacc ttgcccgtat aatatctatc ctccacacag caggcagggc      120
gatcctttaa ggatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct      180
cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg                  229

      <210> 247
      <211> 338
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(338)
      <223> n = A,T,C or G

      <400> 247
ggaaaccgtg tgtacttatc ctggatgatg ccaccagtgc cctggatgca aacagccagt       60
tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgctca gtgcttctca      120
tcacccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg      180
ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca      240
tggagcaggc tcctgcagat gctccagaat gaaagccttc tcagaactgc gcactccatc      300
tccctccctt ttctttcttc tgtggtggag aaccacag                              338

      <210> 248
      <211> 177
      <212> DNA
      <213> Homo sapien

      <400> 248
tgaaaacaaa tgaattccca actcctacgg ttcatgtaga gtttagagaa aatttccatc       60
attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt      120
ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa        177

      <210> 249
      <211> 263
      <212> DNA
```

```
      <213> Homo sapien

      <400> 249
aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa        60
cactactcca ttcccataca cataattgca cacgagtagc tcaagttcat ggacataaaa       120
acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta       180
attggtaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaag       240
aatcaaagtg atctgattac ttt                                               263

      <210> 250
      <211> 333
      <212> DNA
      <213> Homo sapien

      <400> 250
aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca        60
ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat       120
ttctatttct tggtggagca gcacattgtg gagtgtgatt cttaattctt cattgagttt       180
gtcaatcgga cattgatgct ggataggttg tcttttgttt ttatgcctca gaccatcttg       240
tgagattgtt tgcctatctc ataatacagt tttatgcaga aaggttgaaa ctatgtaaat       300
ggtttttatg gaaattatca gttacaatat ttt                                    333

      <210> 251
      <211> 384
      <212> DNA
      <213> Homo sapien

      <400> 251
aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa        60
tatcttaata tatccccgaa ctggttagga tagatacaaa tagatttttt ataataaaaa       120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa       180
gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata       240
gcatagttta actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa       300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga       360
aggggaccga gcaagaactt tcag                                              384

      <210> 252
      <211> 211
      <212> DNA
      <213> Homo sapien

      <400> 252
aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg        60
tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga       120
tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg       180
tgctgtgaga tacagcaaga tcacaagaag g                                      211

      <210> 253
      <211> 135
      <212> DNA
      <213> Homo sapien

      <400> 253
aaaaattgtt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag        60
tacaatgaac tgcttttcct caagcaataa ttgtttccaa cttgtctggg aattgtgtgt       120
```

```
ctggtaactg gaagg                                                         135

      <210> 254
      <211> 361
      <212> DNA
      <213> Homo sapien

      <400> 254
cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgagggtg         60
aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc        120
ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtttttg cagaatgtct        180
ctcaatttgg actttttggg caggaataca atacaagtga tacaaatgct tctttaacat        240
tagaacctgt ataaaattac cattacagac cttgctattt tacttatagg taaatcactg        300
tttaccaagg taagtctttt gggaatttcc aaaaatgaag tccatggaca gttaaaaact        360
g                                                                        361

      <210> 255
      <211> 331
      <212> DNA
      <213> Homo sapien

      <400> 255
aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata         60
cctcagtttc cccatctgta aagtgaggat aatgtcccac cccatgtaac tgtggtgagg        120
acccaactgca acactgtgcc tgcgagtctc cttggaaaag tgtaaggttc taccaaaatg       180
gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgccc tggccctggg        240
gtgggggaca atactctcct caccccctcc actagtcttc atgaatagca aggaggccat        300
aacataattt ggtctaaacc ccttcctttt t                                       331

      <210> 256
      <211> 186
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(186)
      <223> n = A,T,C or G

      <400> 256
cctttgggcc cttgcacttt gacctgcaat ggggccacac cagccttgct tgtgtccacc         60
tggaaggact gagggaggtt ggcacgaacc atgcctgggc tcaggccggg cccanagcac        120
ttgaccttgg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact        180
tgatgg                                                                   186

      <210> 257
      <211> 255
      <212> DNA
      <213> Homo sapien

      <400> 257
ctggggtccg tcaccgacct ttggggaact gggctacggg gaccacaagc ccaagtcttc         60
cactgcagcc caggaggtaa agactctgga tggcattttc tcagagcagg tcgccatggg        120
ctactcacac tccttggtga tagcaagaga tgaaagtgag actgagaaag agaagatcaa        180
gaaactgcca gaatacaacc cccgaaccct ctgatgctcc cagagactcc tccgactcca        240
```

```
cacctctcgc ggcag                                                        255

      <210> 258
      <211> 604
      <212> DNA
      <213> Homo sapien

      <400> 258
ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat      60
gcagcagttt agagcaaaat cgagaaaatg attttttttt tcctccttga tttcctggca     120
gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc tagggcaatg     180
ccagatactt agaccttttc tcttgattat aagtagaaat gggggtgtct gggctagagg     240
tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga     300
ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac     360
ctctatgctt taatagttgc ttgttaagct gcttcatggg ttgagacaaa ctaccagcac     420
ttcaaagagc tcagttctct gctcaactct cttctctagt tacattattt tttttccttc     480
aggagactga ggcaggaaaa tcgcttgaac tcaggaggtc gaggccgcag tgagccaaga     540
tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac     600
cagg                                                                  604

      <210> 259
      <211> 429
      <212> DNA
      <213> Homo sapien

      <400> 259
aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg      60
ctctgtggca agctccactg gttctcccgc ttccatcaga accactgact tccacaatcc     120
tggctatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag     180
aaacttgaac aaagagcggc aattccactt cgctggtatc aggtcccggc tcaaccacat     240
gctggctatg ctgtcaaggg gaacactctt tactgaaaac cacattggcc ttcattctgg     300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca     360
gtaactgctc cgtgttcaga ctcctggttt cttccaggct tacagtggac atcatcagct     420
tcctgcttt                                                             429

      <210> 260
      <211> 385
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(385)
      <223> n = A,T,C or G

      <400> 260
ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgcctct      60
cagataacat cccccatccc tgcccatggg agcccccagc cagcctctca gcagcaccag     120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana     180
cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat     240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc     300
ctctcaagtg tctattanat nggcaataag aactgcagtg tagctgagtc acatctttta     360
gctgactata aatcactttg ttttt                                           385

      <210> 261
```

<211> 230
<212> DNA
<213> Homo sapien

<400> 261
atgtactgga taaatcaagg tgggggcgac tctcacctga ctattacaat agcctcctaa 60
gtggttcccc tacttgcaac cttgccccgta taatatctat cctccacaca gcaggcaggg 120
cgatcccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc 180
tcgccacctc cttacagtca ccgctgaacc cgtagcagag gttcaggagg 230

<210> 262
<211> 198
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(198)
<223> n = A,T,C or G

<400> 262
atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca 60
gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt 120
taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtccct ggagtttcac 180
ccagcttttc catgaatg 198

<210> 263
<211> 157
<212> DNA
<213> Homo sapien

<400> 263
aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt 60
agagcaaccc acaaagacag aactgatttt ttcccataa tcaggggtga aaaatataca 120
acttgtttct gaaccaaaac cacaatttct gcagttt 157

<210> 264
<211> 290
<212> DNA
<213> Homo sapien

<400> 264
ctggctactc caagacccty gcatgaggct gaggacaact tacaagggct tcacagaagc 60
agtggacctt tattttgacc acctgatgtc cagggtggtg ccactccagt acaagcgtgg 120
gggccctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagacccccgc 180
atacatgccc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac 240
ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265
<211> 234
<212> DNA
<213> Homo sapien

<400> 265
aaaaaaaggc aaggaaagag aggaaaagaa aataaaataa gacaatttat tgcttctcct 60

```
cagcatcctc cttggtctcc tccttcaccg agagagcttc tagcttttcc gccacttttt      120
cggcatgatc atttttgcct gatcctttct tttctctctc ttcgatctct ttcctgcatt      180
cttcaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg            234

        <210> 266
        <211> 335
        <212> DNA
        <213> Homo sapien

        <400> 266
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga       60
ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca      120
gatgcccaaa caggagaagg cacttgcccc cggtcatacg gcaggttgcc acaaaaccaa      180
gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gccccataaa      240
acccacatca tgtcctaaga gtatatctgg ctccttgacc agcaatcggc cctgggagcc      300
accgggtggg aaaagcgcct ctgccagagt ccagg                                 335

        <210> 267
        <211> 619
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(619)
        <223> n = A,T,C or G

        <400> 267
tggagctctg acgaagggat cggggaggtg ctggagaagg aagactgcat gcaggccctg       60
agcggccana tcttcatggg catggngtcc tcccagtacc aggcccggct ggacatccng      120
cgcctcattg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat      180
gagctccaaa gcaaggtgtt tgcanaaaaa atgggcctgg agacaggctg gaactgccac      240
atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccctc cagccccagc      300
cacgcaggct ccctgcatga tgacctgaat caggtgtccc gagatgatgc anaagggctc      360
ctcctcatgg aggaggaggg ccactcggac ctcatcagct tccagcctac ggacagcgac      420
atccccagct tcctggagga ctccaaccgg gccaagctgc cccggggtat ccaccaagtg      480
cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccctttt caccgactgc      540
accccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc      600
tgcctgggca gctctgcca                                                   619

        <210> 268
        <211> 147
        <212> DNA
        <213> Homo sapien

        <400> 268
cctataaccc agacaccagc atggacaaaa ctcagttata ctgaactcag agacaaaatt       60
cagtgacact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt      120
ttttgttttt tgttttacaa acctttt                                          147

        <210> 269
        <211> 325
        <212> DNA
        <213> Homo sapien
```

<400> 269
ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagcta gttttcgagc 60
tctgtgcaca agcactctgt aatcggggcc catgccactg tacaccaaac ctatatgctt 120
ggtaattggt tctactttgt gtacacttcg ctcatcatac agaatggatt tctgtttttt 180
ctcagttgct aataccacac catttgcagc tttaattccc acggacgggg ctcctccagc 240
[illegible] 300
cgaaagctg taccgcgct ccgcc 325

<210> 270
<211> 428
<212> DNA
<213> Homo sapien

<400> 270
aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt 60
tgcaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgtttggt 120
attgggggt tgtggtcacc tgtgcttttc tgagatttgg cccctacatc taagttgttg 180
aatgcatgtg tgtagagttg tttatggtgc ttccctttct tcttagaagg gtctatagta 240
atatcccctg ccttatccct agtagtacta atttgtgttt tcttactttct tgacaggcaa 300
acacatcaga gcataagtgg ttcctaatgc caagctgacc tcccttgatc tctgtcttct 360
acggatatt gacatgggac ttctttatta cctttttcagt tcactgatac cttcaaatcg 420
ctttattt 428

<210> 271
<211> 206
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 271
cgtcccagag cccacggnag ncatggctgg canagcgctc tgcatgctgg ggctggtcct 60
ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtgngc 120
cgtcccagcc aaggacaggg tggactgcgg ctacccccat gtcacccccca aggagtgcan 180
caacggggc tgctgctttg actcca 206

<210> 272
<211> 83
<212> DNA
<213> Homo sapien

<400> 272
ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa 60
tgactacagc cctctctacc tgg 83

<210> 273
<211> 472
<212> DNA
<213> Homo sapien

<400> 273
ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtctttctac 60

tcgggccact cttcctttgg gatgtactgc atggtgttct tggcgctgta tgtgcaggca 120
cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc 180
tttgccctct acgtgggcta cacccgcgtg tctgattaca aacaccactg gagcgatgtc 240
cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300
ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac 420
tcctcctcct gaggccggac cccgcccagg cagggagctg ctgtgagtcc ag 472

<210> 274
<211> 205
<212> DNA
<213> Homo sapien

<400> 274
ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60
tcgcctgcat gggtcgtacc tggatggtgt gtccaccatc gacacggagg ggctggattt 120
gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
gaatgtagcg tgtaaatagc ttttt 205

<210> 275
<211> 308
<212> DNA
<213> Homo sapien

<400> 275
ctcctcgcct tccccacgga catcatgctc cagttccagc ttggatttac actgggcaac 60
gtggttggaa tgtatctggc tcagaactat gatatacaaa acctggctaa aaaacttgaa 120
gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag 180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
tttgcttt 308

<210> 276
<211> 201
<212> DNA
<213> Homo sapien

<400> 276
aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120
gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata 180
gtcaaagaga aattttcatt t 201

<210> 277
<211> 520
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 277
aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttgtt cttaaagttt 60

```
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct     120
gggacagggc gtggggagtt aagcagtcat cataaaggaa tcagtgtaca ttcagcatgg     180
tgacttgact acacaacaat cccttcccct ctactgtagc tcaagagaga catgcttctc     240
acccactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggt cttcccagct    300
aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa     360
[illegible] [illegible] atttattaga aaccaaacgt atttaattag cttcactact   420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggta     480
aatcatagtc ttaaatcata cctaaaatac tgtatcattt                           520

      <210> 278
      <211> 264
      <212> DNA
      <213> Homo sapien

      <400> 278
cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggt aactaccccg      60
gctgcgcaca gctcggcgct ccttcccgct ccctcacaca ccggcctcag cccgcaccgg     120
cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct     180
actcagggag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag     240
aacccaaatg aaggagagaa gttt                                            264

      <210> 279
      <211> 414
      <212> DNA
      <213> Homo sapien

      <400> 279
aaacatacaa taattttat tatggaaatt aatctttaca tacaaaatca gctacgtaat       60
tttacttaca aaacaataaa aactgttcct tactgtggca acaaaagaag cattttgaca     120
aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttcactg     180
tctctttctat ttatttttcta tgatcacttg acacaaacat ggattacttt gatatctact   240
gaaacataaa tgataaggtt cttaaaggtt gaattaaaag tctgggtgtt caatattttc     300
gaagctgaat aaacaaaacg aaattggggt ttgtgattac agaggattta tcattttttc     360
cctttgtcca tatgaaaata tataatagaa aattacccac gggaaaacat tttt           414

      <210> 280
      <211> 262
      <212> DNA
      <213> Homo sapien

      <400> 280
ccacccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttaattatg     60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac tttttcacaat    120
ctcttttctg atccccttta gatgcccagt caaccaggac cacacacaga tttcatttta     180
tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttattttacg tatactgatt     240
tctacgtttt gactgactat tt                                              262

      <210> 281
      <211> 349
      <212> DNA
      <213> Homo sapien

      <400> 281
ctgtgacccg gctgcatcag tggatatagt tgtgtctccc catgggggtt taacagtctc      60
tgcccaagac cgtttctga taatggctgc agaaatggaa cagtcatctg gcacaggccc      120
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agcagaatta actcagtttt ggaagaaagt tcccagaaac aaagtgatgg aacataggtt 180
aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaag acaatgcttt 240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcgtt tactagaaag 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

<210> 282
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 282
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
ggaacaaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact 180
cactttgcaa ggacccactc atttctgcaa aagacctaca agtctttctg gtctcaattg 240
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
attttatttt cagatgtatt t 381

<210> 283
<211> 543
<212> DNA
<213> Homo sapien

<400> 283
aatatagctc ctccctaccc ccaacaatgg accctgccca ttgcctccca gttccttgat 60
cttcctaggt tcccaaactc tctttttcct tttagtttta ttccctccag ccaaacctct 120
cttattcaat attttgagcc aatgggggag ttatgtagat ttttttccct acacattagc 180
tggccccttt tatgaccaat gactcataag gcaagatgtg tggtggcatc ttcggacagg 240
cagcaggctt taatagggca gcctgggttg gtcgaggcaa gcaaagctaa ttggcatgcg 300
tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag 360
gaggtaataa tttgccccag aatatcagta gttcctttat tagaagaaaa tggctgatat 420
ggaagttggg gaatctgaat tgccagagaa tcttgggaag agtaataagc tcttagtctc 480
aacaaaaagt gttttttcat ctcagcgcgt aaagggtgct atatgggaac aaagaagtat 540
ttt 543

<210> 284
<211> 147
<212> DNA
<213> Homo sapien

<400> 284
aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atctttcttg 60
atcaacatct tttcttgcct ctgtcccctt ctctcatctc ttagctcccc tccaacctgg 120
ggggcagtgg tgtggagaag ccacagg 147

<210> 285
<211> 316
<212> DNA
<213> Homo sapien

<400> 285
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ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120
caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
[illegible] [illegible] gcttcattca ctttgttgga accctttagc ccaaagcaga 240
caagccccag aatgacttcc acaccgattt caaagcgggg atcctggcgc accagtgact 300
caaactcatg ggacag 316

<210> 286
<211> 322
<212> DNA
<213> Homo sapien

<400> 286
cctggggagc cctttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag 60
atgcccaagt tcaggtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120
gtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg caggtgtgg 180
tgggtgatgg tggcctcact cagagtggac caaggcccca gctccttgcc caaaaccaaa 240
gcccttgggc ccgaagtttt tagcataaca tcctttgcag taaatctcgc catccttgtc 300
tgccagggtg gttgactcaa gg 322

<210> 287
<211> 364
<212> DNA
<213> Homo sapien

<400> 287
ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 60
ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa 120
tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180
acaggcaata tcagaggctc catgaaggtg cgggtgccca cggagcgcct gggcacccgt 240
gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc 300
ccctctgtgt cccgagggag ccaggagccc aggtcagggg gccgcaagcc agccttcaca 360
gagg 364

<210> 288
<211> 261
<212> DNA
<213> Homo sapien

<400> 288
aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta 180
gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g 261

<210> 289
<211> 361
<212> DNA
<213> Homo sapien

<400> 289
ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 60

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catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca      120
actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat      180
tctaaattta ttgtggtttg cttgctgtgg cttctgctca aattaactaa ggctaaagaa      240
agaatgagta gttataattc t                                                261

      <210> 290
      <211> 92
      <212> DNA
      <213> Homo sapien

      <400> 290
ccactacccg aacttacagg tgcccaaaga agaaagggta taaacggaga ccacctatca       60
ctcatcagaa cctaggatca tcacattcct tt                                     92

      <210> 291
      <211> 287
      <212> DNA
      <213> Homo sapien

      <400> 291
ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtctttg       60
tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcacccctg      120
tgtgggagcc tctgggctcg gcaggtccac atttcatgag ctgaggcgtg ggccagggcc      180
atctggaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggtg      240
aacacgttca gttcatcagg gcctacgctc cgggaagggg cccccag                    287

      <210> 292
      <211> 270
      <212> DNA
      <213> Homo sapien

      <400> 292
ccattgtttc ctcgctggcg aaggctcctt gaacatccct caccttcctc tcccgcctct       60
gccttctgct gggtcaaagg tggccttttc tctccagcct tgaattgttc cctgttggct      120
tcccaagggc ccatctgctg gtacagtcca cacttccaca gccaagaccc gagagggctt      180
tcactgcccc aagcctctct cctgtgaccc tgggattctg tcttggcaga atcctttgtc      240
agcggctctt actctgtcct tcctgtttgg                                       270

      <210> 293
      <211> 333
      <212> DNA
      <213> Homo sapien

      <400> 293
ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg       60
acactggccc tgtgcctggg gttactgttc cctatggaaa cagcacagca cctggctcag      120
ccctggaccc ctactcgccc tgcaataata actgtgaatg ccaaaccgat tccttcactc      180
cagtgtgtgg ggcagatggc atcacctacc tgtctgcctg ctttgctggc tgcaacagca      240
cgaatctcac gggctgtgcg tgcctcacca ccgtccctgc tgagaacgca accgtggttc      300
ctggaaaatg ccccagtcct gggtgccaag agg                                   333

      <210> 294
      <211> 123
      <212> DNA
      <213> Homo sapien
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      <400> 294
ctgatacaaa tacagaaaac tctgcccatt atccaagaaa caaataatta agactaaaat        60
gcaagctgat gtcttgcagc attctagggc cactaaatag ccatctgtga ttcgtggcaa       120
ttt                                                                     123

      <210> 295
      <211> 311
      <212> DNA
      <213> Homo sapien

      <400> 295
ctgcatacag acatttgttt aggtcatctg gattatcttg attgtcacca tggcaactat        60
ccacaaccag tgcctaggtg tgtgagaaga gtgatacaat aatactgtgg catggtcatt       120
tagctaatcc agtctaagcc taacagaaac cttttccatc aaagtttttc agagaataac       180
aacatctcat aagaggccag aggatggctt gtgcttaata tcacacctgt acagtagggc       240
agtgcttccc aggctgtctg cttacatttt agcttgtctt acggttacat atggtttcag       300
tattttcatt t                                                            311

      <210> 296
      <211> 241
      <212> DNA
      <213> Homo sapien

      <400> 296
ctgcggaaga tctgcaaccc cccctacatg ttccagcaca tcgaggagtc cttttccgag        60
cacttggggt tcactggcgg cattgtccaa gggctggacc tgtaccgagc ctcgggtaca       120
tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg       180
ttctgccaaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt       240
a                                                                       241

      <210> 297
      <211> 295
      <212> DNA
      <213> Homo sapien

      <400> 297
aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaatggtg tgaggcatct        60
cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa       120
aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgcag       180
gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagatacct gacatgggta       240
gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga            295

      <210> 298
      <211> 347
      <212> DNA
      <213> Homo sapien

      <400> 298
ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg        60
accaacacct gctaccccag agagcttttc taaaaaaagc aagaaagcag tcatgagtgg       120
tattcaccct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt       180
tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcctgcgaag       240
aacaaccatg gcaactcgga ccagcccccg cctggcagca cagaagttag cgctatcccc       300
actgagtctc ggcaaagaaa atcttgcaga gtcctccaca ccaacag                     347
```

<210> 299
<211> 268
<212> DNA
<213> Homo sapien

<400> 299
aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60
gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120
gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttca acttgtattc 240
aagtaattag cagttgacca cttggttt 268

<210> 300
<211> 185
<212> DNA
<213> Homo sapien

<400> 300
aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60
ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120
agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
agcag 185

<210> 301
<211> 75
<212> DNA
<213> Homo sapien

<400> 301
aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
tttgaaattg gcttt 75

<210> 302
<211> 247
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 302
ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaaccaaaa tgatcactgc 240
ctacttg 247

<210> 303
<211> 535
<212> DNA
<213> Homo sapien

```
<400> 303
ctgcttraga ggaaatcact gaaaaataaa gaaaaaccat ccatgcatgg ctgcatccag    60
tgtacctgta atcctgaaga aaaggtccta attcctccca tgctgaaatg ctagctttgg   120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtgagcac tgctgttcgg   180
cccccagcgg acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga   240
[illegible] [illegible] [illegible] [illegible] acttcaaagt ctctggagtt   300
aaacttgaac agtctgaaca cttttatctt tacttcaagg gagtatccaa gtataaacat   360
atcaatctgc tctagtccac atgtgtcgcc tacagaattc aggtgattca tcatgaagct   420
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt   480
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt        535

<210> 304
<211> 522
<212> DNA
<213> Homo sapien

<400> 304
ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg    60
taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggt   120
tttagatctt tatcctggtc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc   180
aaacttggta attgggccaa aattgaacca aagtttgtgt caagaagacc tgggcagag    240
atatgtgact aaatcatttg gaatatgccc agacccaag  aatatttatg cccaacttga   300
atgctaacca gaagtccctt actgtagaag attgtaaggt tgctattttt ttgccccgac   360
acccaaatat tgatgtattt tccaacacca attctccaat tctctgacac caactcgatg   420
ttcaacaatt cagttatatt ctgtcactca ttcctgcagc tatcagcagg ccccataggt   480
aaaggattca gtctcacaag attgcccccc caccrcacttc ag                      522

<210> 305
<211> 165
<212> DNA
<213> Homo sapien

<400> 305
cctaaagcgc tcctcggtga agctcaaggc gtcccacaatg atttgtctgt caaagttatt   60
gagtgcatat gccagttctc ctcctcctcc accctggtgc tgtgaggcat cgtctgaggc  120
actgggctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag                    165

<210> 306
<211> 294
<212> DNA
<213> Homo sapien

<400> 306
ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca    60
ggacacagtt ggtgtccaga aaaggggggct cagaacacag tttctacaca agcacttggc  120
accccacarga cagagacgtc actcaagcag cacagcccaca aatagtttac agcagctcat  180
gcccggcatc cgcccatgct gggagactcc ctgaaaggtg ggcacctgcc gtctatgagg   240
agggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg         294

<210> 307
<211> 181
<212> DNA
<213> Homo sapien

<400> 307
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aaaaatccat gacaccttga tagaaattag agtttacacc aacaaaaaag gaaccttcga        60
tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg       120
cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt       180
t                                                                       181

      <210> 308
      <211> 179
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A,T,C or G

      <400> 308
aaggctgagg actgctggga gctcagatca gcccggagct actggctcat gggcagccaa        60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcatt       120
ggcccgaaga aggcccanct aatcgtgggc tggcgggagc tccacggccc cttcagcca        179

      <210> 309
      <211> 129
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(129)
      <223> n = A,T,C or G

      <400> 309
ctgcccgctt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac        60
catcaccttc ttcttcctcc tcctcttcct ccccaccttc ttcctcttct tcgtctacct       120
cattgtcag                                                               129

      <210> 310
      <211> 350
      <212> DNA
      <213> Homo sapien

      <400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc        60
tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag       120
gaaccgtggt atgtctgcat gttgcccctt tctcttttcc cctttcctgt ccccaccatac      180
gagcacctcc agcctgaaca gaagctctta ctctttccta ctttcagtgtt acctgtgtgc      240
ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct       300
gtcaaatatc agttacccac tcggtcccag ttttgttgcc ccagaaaggg atgttattat       360
ccttgggggc tcccagggca agggttaagg                                        390

      <210> 311
      <211> 355
      <212> DNA
      <213> Homo sapien

      <220>
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<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 311
[illegible] [illegible] aagatcgctt gttcnacacc agctaccact cccaggcagt        60
gcatatccgc ctgttgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat       120
gctatanggc naaaaattct tcgagttcca cccnanctcc tctaaacatt tggctcactc       180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac       240
cntcgtagga aagccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt       300
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca            355

<210> 312
<211> 498
<212> DNA
<213> Homo sapien

<400> 312
ccattctttt gaatctaatc tattatcaat agcatcctcc ataatatctt tgataaaagg        60
tgtccaccga gagagctgaa aagctttctc tgcagaccga tcctttctta acggtttgcc       120
ttgttgagat tggggaacaa tgggaacacc aaggtaactc cagttacgaa tcatgtcact       180
ctcatttctc atctttacat tctggatcaa cctgtcccaa ttttctttcg tagttccatt       240
aatactgaag atataaagta gaattgctct tattttatca caattatcat gatttttgtt       300
gagtcgaact ggaaggagta ctcgcatgga atctttcacc ttctgtcctt ctgcatcagt       360
tccaagtgcc aggtcctgtt cagttttgca gagcttttct atattaagct tgaacttatt       420
catgcaatct tctgctaagt taagatggac aacttgctta gtaatctgtt ttcggaaata       480
gggcatcttt ttcattag                                                     498

<210> 313
<211> 653
<212> DNA
<213> Homo sapien

<400> 313
aaacttatca gatttttta agttaggtaa tttcaatcca cagtggctcc atatggttaa        60
aaaaacaaaa acaaaaacgc atttaaggat acacgaagca gtgaaaacaa agccccagta       120
ttttcgctaa agtactggaa atacctgttt ctaaaaacag ctttatattt gtcccactgcc      180
tagaatagct ctcacccaaa cctcaaaaat aagagcagat agattttaga agcaagaaaa       240
ggtaaacagt gcccatattc tttgagcctg gcctctgctgc cctccctaag ccagtttaca      300
ttctttgaga ttcttggagt gggtgagtca gggctgaaga ctgcacaggc catgtcccct       360
gctccaacta ttcctcagaa cctcccaggt ggagggagtg gcctgtcgat tttcactcat       420
tccatggagc tctgtgtaca tgaaaattcc tccaagtgtg gcttttgtcg aattcagaga       480
tacagcaagc cacgcctaaa acatggagtg tagagcactg gtgtacctag cttagaaaca       540
ccctcggtga atgtggtact gtggctcgaa aggaagcaag ggacaggacc caggagactg       600
ggcggccagc ctctcggagt tcccacacca cctgtgaagc ccggccagca cag              653

<210> 314
<211> 513
<212> DNA
<213> Homo sapien

<400> 314
ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga        60
ctcagtacta tcttagcaca gactaacttc tcccactccg tcagaggtgg caggtggcgg       120
gtcggtgggg aggggctttt ctccccataa atgcctgaac tttaatttat accatataag       180
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aaatcagtga aaggtaaaca acaaggttaa tgtaactcta ttataaattt tgcatttttt      240
ttctctgtga catatacaag tatatttttg ttttggagc tataaattat ttaatttagc      300
aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa      360
gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg      420
taatagttat aattcttcta aatatcattt gaataattct ttgtggacgc tagactcaag      480
actatgctac atccaaacag tacatctata acc                                  513

      <210> 315
      <211> 222
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(222)
      <223> n = A,T,C or G

      <400> 315
atttatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa       60
caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattggtca      120
ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa      180
gagtcctttc agggaggtgg actgcattgg tttgatatgt tt                         222


<210> 316
<211> 1633
<212> DNA
<213> Homo sapiens

<400> 316
cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaataca gtcgggatgg ctaaaggtga ccccaagaaa ccaaagggca 120
agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
cagaggtccc tgtcaatttt gcggaattct ccaagaagtg ctctgagagg tggaagacgg 240
tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
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ctcccaaaag gccaccgtct ggattcttcc tgttctgttc agaattccgc cccaagatca 420
aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
ataatttaaa tgacagtgaa aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540
agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600
ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaagaggag gaggaagaag 660
aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900
aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960
ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca tttttctttt 1020
atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080
tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260
gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata ttttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
```

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aatgtttttg aagttaaata aacagtatta catttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg                                                    1633

<210> 317
<211> [illegible]
<212> DNA
<213> Homo sapiens

<400> 317
gaatccaagg gggccagttc ctgccgtctg ctcttctgcc tcttgatctc cgccaccgtc 60
ttcaggccag gccttggatg gtatactgta aattcagcat atggagatac cattatcata 120
tcttgccgac ttgacgtacc tcagaatctc atgtttggca aatggaaata tgaaaagtcc 180
gatggctccc cagtatttat tgccttcaga tcctctacaa agaaaagtgt gcagtacgac 240
gatgtaccag aatacaaaga cagattgaac ctcccagaaa actacacttt gtctatcagt 300
aatgcaagga tcagtgatga aaagagattt gtgtgcatgc tagtaactga ggacaacgtg 360
tttgaggcac ctacaatagt caaggtgttc aagcaaccat ctaaacctga aattgtaagc 420
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agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttcct 1560
```

```
cagaaagcac cctcagggaa aaaggtgaaa acattacatc cgtggattct cctgccacaa 1620
ccgcattgga agaaaaggct gccgcaacat ctcagcgagg agtgaaggac ccatgtccca 1680
ggaaccgcgc tgcgccacct gcactcaccc ccctcacatt ctcttaagca cccggtggcc 1740
ctccgaggct ggcggaatgg tggtgcccac ggggttgggc aagggctcac caggacctca 1800
acgggcaaag ttgtgcacac taaaatatcc aatcaaggtg cctggttttc aagtaaatgt 1860
ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920
tccacgtgcc ttctgtcatt gggaatgaaa ttaattacta ccagaaaggg acttgtccta 1980
actggtttga ggccttacag ttttgtatct acattttccc cctcctgggg tttgcgggga 2040
cagggacaga actacaggag tcatgggaac gaaaattctg gcttcactac tgctcactgc 2100
tcactttctg atcactctga tacttttttt tttttttttt ttttgcaacc tgataccttg 2160
aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220
actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga aaaaaaaaaa 2280

<210> 322
<211> 1398
<212> DNA
<213> Homo sapiens

<400> 322
taaatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcatctgac 60
cctgaagcaa aggcatctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaacccaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
catggtctca atctctggaa aaactttctg ccaaccaaac tggtcaaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atactgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgac tggtccctgg ctgaagggaa ttaacagata 720
gtatcaacgc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttat 840
ccagccgcag agttgaagaa gcataagcac gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tgggaaggcc aggtaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt cggtgtattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaat aataaatgtg gatttgtatt taaaatatat agaagcaatt tctgtttaca 1320
tgtccttgct acttttaaaa acttgcattt attcctcaga ttttaaaaat aaataaataa 1380
ttcatttaaa aaaaaaaa                                                1398

<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens

<400> 323
acttctacct gctcactcag aatcatttct gcaccaacca tggccacgtt tgtggagctc 60
agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatatc ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtaaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
```

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cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
tatcttattc actggccacc gggattcaag tctggggatg accttttccc caaagatgat 420
aaaggtaatg ccatcggtgg aaaagcaacg ttcttggatg cctgggaggc catggaggag 480
ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagctct tgaacaaacc tggactgaaa tataaaccag tgactaacca ggttgagtgt 600
[illegible] [illegible] gaaactgatc cagtactgcc actccaaggg catcaccgtt 660
acggcctaca gccccctggc ctctccggat agaccttggg ccaagccaga agacccttcc 720
ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaagtc tgtgacacca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcacttg 960
gaagactatc ccttcaatgc agaatattga ggttgaatct cctggtgaga ttatacagga 1020
gattctcttt cttcgctgaa gtctgactac ctccactcat gtcccatttt agccaagctt 1080
atttaagatc acagtgaact tagtcctgtt atagacgaga atcgaggtgc tgttttagac 1140
atttatttct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
gaaatgacaa ttttttccac ttatctgatc agaacaaatg tttattaagc atcagaaact 1260
ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa     1316

<210> 324
<211> 200
<212> PRT
<213> Homo sapiens

<400> 324
Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
                5                   10                  15

Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
            20                  25                  30

Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
        35                  40                  45

Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
    50                  55                  60

Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65                  70                  75                  80

Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
                85                  90                  95

Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
            100                 105                 110

Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
        115                 120                 125

Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
    130                 135                 140

Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145                 150                 155                 160

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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                165                 170                 175

Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Gln Glu Glu Glu Glu Glu
            180                 185                 190

Glu Glu Glu Glu Glu Glu Asp Glu
        195                 200


<210> 325
<211> 263
<212> PRT
<213> Homo sapiens

<400> 325
Met Phe Arg Asn Gln Tyr Asp Asn Asp Val Thr Val Trp Ser Pro Gln
                  5                  10                  15

Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly
             20                  25                  30

Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala
         35                  40                  45

Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu
     50                  55                  60

His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp
 65                  70                  75                  80

Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg
                 85                  90                  95

Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile
            100                 105                 110

Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr
        115                 120                 125

Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile
    130                 135                 140

Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser
145                 150                 155                 160

Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met
                165                 170                 175

Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu
            180                 185                 190

Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys
        195                 200                 205

Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr
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    210                 215                 220

Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro
225                 230                 235                 240

Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu Pro Ala Glu Lys
                245                 250                 255

Ala Asp Glu Pro Met Glu His
            260


<210> 326
<211> 539
<212> PRT
<213> Homo sapiens

<400> 326
Met Pro Glu Asn Val Ala Pro Arg Ser Gly Ala Thr Ala Gly Ala Ala
                5                   10                  15

Gly Gly Arg Gly Lys Gly Ala Tyr Gln Asp Arg Asp Lys Pro Ala Gln
            20                  25                  30

Ile Arg Phe Ser Asn Ile Ser Ala Ala Lys Ala Val Ala Asp Ala Ile
        35                  40                  45

Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly
    50                  55                  60

Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln
65                  70                  75                  80

Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys
                85                  90                  95

Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile
            100                 105                 110

Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile
        115                 120                 125

His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly
    130                 135                 140

Ile Glu Ile Leu Thr Asp Met Ser Arg Pro Val Glu Leu Ser Asp Arg
145                 150                 155                 160

Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val
                165                 170                 175

Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met
            180                 185                 190

Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile
```

195 200 205

Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val
210 215 220

Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg
225 230 235 240

Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro
245 250 255

Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met
260 265 270

Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys
275 280 285

Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile
290 295 300

Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met
305 310 315 320

Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile
325 330 335

Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr
340 345 350

Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn
355 360 365

Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys
370 375 380

Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu
385 390 395 400

Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val
405 410 415

Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu
420 425 430

Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser
435 440 445

Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr
450 455 460

Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu
465 470 475 480

Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg
485 490 495

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Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu
            500                 505                 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser
        515                 520                 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg
    530                 535


<210> 327
<211> 144
<212> PRT
<213> Homo sapiens

<400> 327
Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu
                  5                  10                  15

Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
             20                  25                  30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
         35                  40                  45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
     50                  55                  60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
 65                  70                  75                  80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
                 85                  90                  95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
            100                 105                 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
        115                 120                 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
    130                 135                 140


<210> 328
<211> 138
<212> PRT
<213> Homo sapiens

<400> 328
Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
                  5                  10                  15

Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile
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             20                  25                  30

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly
         35                  40                  45

Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile
     50                  55                  60

Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg
 65                  70                  75                  80

Pro Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys
                 85                  90                  95

Glu Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg
            100                 105                 110

Glu Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp
        115                 120                 125

Val Val Cys Thr Arg Val Tyr Val Arg Glu
    130                 135


<210> 329
<211> 346
<212> PRT
<213> Homo sapiens

<400> 329
Met Phe Leu Ser Ile Leu Val Ala Leu Cys Leu Trp Leu His Leu Ala
                  5                  10                  15

Leu Gly Val Arg Gly Ala Pro Cys Glu Ala Val Arg Ile Pro Met Cys
             20                  25                  30

Arg His Met Pro Trp Asn Ile Thr Arg Met Pro Asn His Leu His His
         35                  40                  45

Ser Thr Gln Glu Asn Ala Ile Leu Ala Ile Glu Gln Tyr Glu Glu Leu
     50                  55                  60

Val Asp Val Asn Cys Ser Ala Val Leu Arg Phe Phe Phe Cys Ala Met
 65                  70                  75                  80

Tyr Ala Pro Ile Cys Thr Leu Glu Phe Leu His Asp Pro Ile Lys Pro
                 85                  90                  95

Cys Lys Ser Val Cys Gln Arg Ala Arg Asp Asp Cys Glu Pro Leu Met
            100                 105                 110

Lys Met Tyr Asn His Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu
        115                 120                 125

Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr
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    130                 135                 140

Asp Leu Pro Glu Asp Val Lys Trp Ile Asp Ile Thr Pro Asp Met Met
145                 150                 155                 160

Val Gln Glu Arg Pro Leu Asp Val Asp Cys Lys Arg Leu Ser Pro Asp
                165                 170                 175

Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser
            180                 185                 190

Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg
        195                 200                 205

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe
    210                 215                 220

Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn
225                 230                 235                 240

Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile
                245                 250                 255

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu
            260                 265                 270

Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu
        275                 280                 285

Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Lys Thr
    290                 295                 300

Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro
305                 310                 315                 320

Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser
                325                 330                 335

Ala Gln Lys Arg Thr Asn Pro Lys Arg Val
            340                 345


<210> 330
<211> 826
<212> PRT
<213> Homo sapiens

<400> 330
Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu
                  5                  10                  15

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
             20                  25                  30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His
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        35                  40                  45

Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile
    50                  55                  60

Ser Tyr Leu Arg Val Arg Lys Leu Leu Asp Ala Gly Asp Leu Asp Ile
65                  70                  75                  80

Glu Asp Asp Met Lys Ala Gln Met Asn Cys Phe Tyr Leu Lys Ala Leu
                85                  90                  95

Asp Gly Phe Val Met Val Leu Thr Asp Asp Gly Asp Met Ile Tyr Ile
            100                 105                 110

Ser Asp Asn Val Asn Lys Tyr Met Gly Leu Thr Gln Phe Glu Leu Thr
        115                 120                 125

Gly His Ser Val Phe Asp Phe Thr His Pro Cys Asp His Glu Glu Met
    130                 135                 140

Arg Glu Met Leu Thr His Arg Asn Gly Leu Val Lys Lys Gly Lys Glu
145                 150                 155                 160

Gln Asn Thr Gln Arg Ser Phe Phe Leu Arg Met Lys Cys Thr Leu Thr
                165                 170                 175

Ser Arg Gly Arg Thr Met Asn Ile Lys Ser Ala Thr Trp Lys Val Leu
            180                 185                 190

His Cys Thr Gly His Ile His Val Tyr Asp Thr Asn Ser Asn Gln Pro
        195                 200                 205

Gln Cys Gly Tyr Lys Lys Pro Pro Met Thr Cys Leu Val Leu Ile Cys
    210                 215                 220

Glu Pro Ile Pro His Pro Ser Asn Ile Glu Ile Pro Leu Asp Ser Lys
225                 230                 235                 240

Thr Phe Leu Ser Arg His Ser Leu Asp Met Lys Phe Ser Tyr Cys Asp
                245                 250                 255

Glu Arg Ile Thr Glu Leu Met Gly Tyr Glu Pro Glu Glu Leu Leu Gly
            260                 265                 270

Arg Ser Ile Tyr Glu Tyr Tyr His Ala Leu Asp Ser Asp His Leu Thr
        275                 280                 285

Lys Thr His His Asp Met Phe Thr Lys Gly Gln Val Thr Thr Gly Gln
    290                 295                 300

Tyr Arg Met Leu Ala Lys Arg Gly Gly Tyr Val Trp Val Glu Thr Gln
305                 310                 315                 320

Ala Thr Val Ile Tyr Asn Thr Lys Asn Ser Gln Pro Gln Cys Ile Val
                325                 330                 335
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Cys Val Asn Tyr Val Val Ser Gly Ile Ile Gln His Asp Leu Ile Phe
            340                 345                 350

Ser Leu Gln Gln Thr Glu Cys Val Leu Lys Pro Val Glu Ser Ser Asp
        [illegible]         360                 365

Met Lys Met Thr Gln Leu Phe Thr Lys Val Glu Ser Glu Asp Thr Ser
    370                 375                 380

Ser Leu Phe Asp Lys Leu Lys Lys Glu Pro Asp Ala Leu Thr Leu Leu
385                 390                 395                 400

Ala Pro Ala Ala Gly Asp Thr Ile Ile Ser Leu Asp Phe Gly Ser Asn
                405                 410                 415

Asp Thr Glu Thr Asp Asp Gln Gln Leu Glu Glu Val Pro Leu Tyr Asn
            420                 425                 430

Asp Val Met Leu Pro Ser Pro Asn Glu Lys Leu Gln Asn Ile Asn Leu
        435                 440                 445

Ala Met Ser Pro Leu Pro Thr Ala Glu Thr Pro Lys Pro Leu Arg Ser
    450                 455                 460

Ser Ala Asp Pro Ala Leu Asn Gln Glu Val Ala Leu Lys Leu Glu Pro
465                 470                 475                 480

Asn Pro Glu Ser Leu Glu Leu Ser Phe Thr Met Pro Gln Ile Gln Asp
                485                 490                 495

Gln Thr Pro Ser Pro Ser Asp Gly Ser Thr Arg Gln Ser Ser Pro Glu
            500                 505                 510

Pro Asn Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met Val
        515                 520                 525

Asn Glu Phe Lys Leu Glu Leu Val Glu Lys Leu Phe Ala Glu Asp Thr
    530                 535                 540

Glu Ala Lys Asn Pro Phe Ser Thr Gln Asp Thr Asp Leu Asp Leu Glu
545                 550                 555                 560

Met Leu Ala Pro Tyr Ile Pro Met Asp Asp Asp Phe Gln Leu Arg Ser
                565                 570                 575

Phe Asp Gln Leu Ser Pro Leu Glu Ser Ser Ser Ala Ser Pro Glu Ser
            580                 585                 590

Ala Ser Pro Gln Ser Thr Val Thr Val Phe Gln Gln Thr Gln Ile Gln
        595                 600                 605

Glu Pro Thr Ala Asn Ala Thr Thr Thr Thr Ala Thr Thr Asp Glu Leu
    610                 615                 620
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Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala
625                 630                 635                 640

Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser
                645                 650                 655

Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala
            660                 665                 670

Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro
        675                 680                 685

Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu
    690                 695                 700

Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg
705                 710                 715                 720

Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr
                725                 730                 735

Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp
            740                 745                 750

Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln
        755                 760                 765

Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly
    770                 775                 780

Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys
785                 790                 795                 800

Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu
                805                 810                 815

Glu Leu Leu Arg Ala Leu Asp Gln Val Asn
            820                 825


<210> 331
<211> 52
<212> PRT
<213> Homo sapiens

<400> 331
Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln
                5                   10                  15

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
            20                  25                  30

Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
        35                  40                  45
```

```
Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
    50                  55                  60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
65                  70                  75                  80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
                85                  90


<210> 332
<211> 235
<212> PRT
<213> Homo sapiens

<400> 332
Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
                5                   10                  15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
            20                  25                  30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
        35                  40                  45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
    50                  55                  60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu
65                  70                  75                  80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
                85                  90                  95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
            100                 105                 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
        115                 120                 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
    130                 135                 140
Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
145                 150                 155                 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
                165                 170                 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
            180                 185                 190

Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys
        195                 200                 205

Ala Lys Ala Leu Lys Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala
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    210                 215                 220

Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe
225                 230                 235


<210> 333
<211> 291
<212> PRT
<213> Homo sapiens

<400> 333
Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
                  5                  10                  15

Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
             20                  25                  30

Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu
         35                  40                  45

Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
     50                  55                  60

Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro
 65                  70                  75                  80

Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro
                 85                  90                  95

Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
            100                 105                 110

Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu
        115                 120                 125

Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg
    130                 135                 140

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val
145                 150                 155                 160

Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys
                165                 170                 175

Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser
            180                 185                 190

Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr
        195                 200                 205

Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu
    210                 215                 220

Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys
```

225 230 235 240

Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly
245 250 255

Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu
260 265 270

Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met
275 280 285

Gln Ser Lys
290

<210> 334
<211> 582
<212> PRT
<213> Homo sapiens

<400> 334
Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile
5 10 15

Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser
20 25 30

Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln
35 40 45

Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro
50 55 60

Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp
65 70 75 80

Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr
85 90 95

Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys
100 105 110

Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys
115 120 125

Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe
130 135 140

Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp
145 150 155 160

Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu
165 170 175

His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp

```
            180                 185                 190

Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr
        195                 200                 205

Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr
    210                 215                 220

Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp
225                 230                 235                 240

Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys
                245                 250                 255

Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn
            260                 265                 270

Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro
        275                 280                 285

Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg
    290                 295                 300

Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met
305                 310                 315                 320

Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn
                325                 330                 335

Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser
            340                 345                 350

Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp
        355                 360                 365

Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln
    370                 375                 380

Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly
385                 390                 395                 400

Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln
                405                 410                 415

Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile
            420                 425                 430

Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile
        435                 440                 445

Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
    450                 455                 460

Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
465                 470                 475                 480
```

```
Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
                485                 490                 495

Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
            500                 505                 510

Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
        515                 520                 525

Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
    530                 535                 540

Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
545                 550                 555                 560

Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
                565                 570                 575

Asn His Lys Thr Glu Ala
            580


<210> 335
<211> 705
<212> PRT
<213> Homo sapiens

<400> 335
Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
                5                   10                  15

Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
            20                  25                  30

Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
        35                  40                  45

Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr
    50                  55                  60

Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro
65                  70                  75                  80

Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
                85                  90                  95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln
            100                 105                 110

Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala
        115                 120                 125

Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln
    130                 135                 140
```

```
Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile
145                 150                 155                 160

Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly
                165                 170                 175

Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met
            180                 185                 190

Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
        195                 200                 205

Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His
    210                 215                 220

Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala
225                 230                 235                 240

Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu
                245                 250                 255

Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val
            260                 265                 270

Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp
        275                 280                 285

Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser
    290                 295                 300

Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala
305                 310                 315                 320

Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp
                325                 330                 335

Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val
            340                 345                 350

Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp
        355                 360                 365

Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu
    370                 375                 380

Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys
385                 390                 395                 400

Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser
                405                 410                 415

Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val
            420                 425                 430
```

```
Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile
        435                 440                 445

Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr
    450                 455                 460

His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr
465                 470                 475                 480

Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
                485                 490                 495

Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
            500                 505                 510

Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
        515                 520                 525

Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
    530                 535                 540

Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
545                 550                 555                 560

Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
                565                 570                 575

Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
            580                 585                 590

Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
        595                 600                 605

Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
    610                 615                 620

Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
625                 630                 635                 640

Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
                645                 650                 655

Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
            660                 665                 670

Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg
        675                 680                 685

Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg
    690                 695                 700

Asp Trp Gln Ser Ala
705
```

```
<210> 336
<211> 480
<212> PRT
<213> Homo sapiens

<400> 336
Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu
                5                   10                  15

Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
            20                  25                  30

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
        35                  40                  45

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
    50                  55                  60

Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
65                  70                  75                  80

Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
                85                  90                  95

Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
            100                 105                 110

Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser
        115                 120                 125

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr
    130                 135                 140

Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe
145                 150                 155                 160

Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly
                165                 170                 175

Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met
            180                 185                 190

Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu
        195                 200                 205

Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr
    210                 215                 220

His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys
225                 230                 235                 240

Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys
                245                 250                 255

Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu
```

```
                260                 265                 270

Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His
        275                 280                 285

Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile
    290                 295                 300

Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg
305                 310                 315                 320

Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala
                325                 330                 335

Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile
            340                 345                 350

Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu
        355                 360                 365

Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu
    370                 375                 380

Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp
385                 390                 395                 400

Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn
                405                 410                 415

Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp
            420                 425                 430

Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala
        435                 440                 445

Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro
    450                 455                 460

Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr
465                 470                 475                 480


<210> 337
<211> 543
<212> PRT
<213> Homo sapiens

<400> 337
Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
                  5                  10                  15

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr
             20                  25                  30

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
```

```
         35                  40                  45

Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser
     50                  55                  60

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
 65                  70                  75                  80

Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro
                 85                  90                  95

Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
            100                 105                 110

Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
        115                 120                 125

Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
    130                 135                 140

Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
145                 150                 155                 160

Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
                165                 170                 175

Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
            180                 185                 190

Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
        195                 200                 205

Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
    210                 215                 220

Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
225                 230                 235                 240

Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
                245                 250                 255

Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys
            260                 265                 270

Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro
        275                 280                 285

Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu
    290                 295                 300

Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg
305                 310                 315                 320

Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg
                325                 330                 335
```

```
Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser
            340                 345                 350

Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe
        355                 360                 365

Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr
    370                 375                 380

Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile
385                 390                 395                 400

Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys
                405                 410                 415

Ile His Leu Arg Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala
            420                 425                 430

Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr
        435                 440                 445

Ser Tyr Pro Ser Pro Val Thr Thr Ser Tyr Pro Ser Pro Ala Thr Thr
    450                 455                 460

Ser Tyr Pro Ser Pro Val Pro Thr Ser Phe Ser Ser Pro Gly Ser Ser
465                 470                 475                 480

Thr Tyr Pro Ser Pro Val His Ser Gly Phe Pro Ser Pro Ser Val Ala
                485                 490                 495

Thr Thr Tyr Ser Ser Val Pro Pro Ala Phe Pro Ala Gln Val Ser Ser
            500                 505                 510

Phe Pro Ser Ser Ala Val Thr Asn Ser Phe Ser Ala Ser Thr Gly Leu
        515                 520                 525

Ser Asp Met Thr Ala Thr Phe Ser Pro Arg Thr Ile Glu Ile Cys
    530                 535                 540


<210> 338
<211> 148
<212> PRT
<213> Homo sapiens

<400> 338
Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
                5                   10                  15

Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
            20                  25                  30

Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
        35                  40                  45
```

Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
50 55 60

Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
65 70 75 80

Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
85 90 95

Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
100 105 110

Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
115 120 125

Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
130 135 140

Ile Tyr Tyr His
145

<210> 339
<211> 196
<212> PRT
<213> Homo sapiens

<400> 339
Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
5 10 15

Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
20 25 30

Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
35 40 45

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala
50 55 60

Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln
65 70 75 80

Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu
85 90 95

Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu
100 105 110

Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val
115 120 125

His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu
130 135 140

```
Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu
145                 150                 155                 160

Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg
                165                 170                 175

Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala
            180                 185                 190

Asn Ser Leu Lys
        195


<210> 340
<211> 316
<212> PRT
<213> Homo sapiens

<400> 340
Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
                  5                  10                  15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
             20                  25                  30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
         35                  40                  45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
     50                  55                  60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
 65                  70                  75                  80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
                 85                  90                  95

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
            100                 105                 110

Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
        115                 120                 125

Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala
    130                 135                 140

Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser
145                 150                 155                 160

Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu
                165                 170                 175

Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr
            180                 185                 190
```

```
Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr
        195                 200                 205

Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu
    210                 215                 220

Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys
225                 230                 235                 240

His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg
                245                 250                 255

Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu
            260                 265                 270

Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr
        275                 280                 285

Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser
    290                 295                 300

Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr
305                 310                 315

<210> 341
       <211> 422
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(422)
       <223> n = A,T,C or G

       <400> 341
gatganattn ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca      60
caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccg aagttaacag     120
aatgatgaaa cttatcatca attcattgta taaaaataaa gagatttccc tgagagaact     180
gatttcaaat gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa     240
tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg     300
ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttggttaa aaaccttggt     360
accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat     420
gg                                                                    422

       <210> 342
       <211> 472
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(472)
       <223> n = A,T,C or G
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```
      <400> 342
ctggaggagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtctttctac     60
tcgggacact cttcctttgg gatgtactgc atggcgttct tggcgctgna tgtgcaggca    120
cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc    180
tttgccctct acgtggccta cacccgcgtg tctgattaca aacaccactg gagcgatgtc    240
[illegible] [illegible] [illegible] gctgccctca ctgtctgcta catctcagac    300
ttcctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc    360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac    420
tcctcctcct gaggccggac cccgcccagg cagggagcta ctgtgagtcc ag            472

      <210> 343
      <211> 139
      <212> DNA
      <213> Homo sapien

      <400> 343
gtcctgggcc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg     60
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgaccccttga   120
ctcccgggtg gggaggtgg                                                 139

      <210> 344
      <211> 235
      <212> DNA
      <213> Homo sapien

      <400> 344
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg     60
agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc    120
tgggcgctcc agggagtgcca ctatggtggc agcatccctg attcaggtgc acaaatggag   180
tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg         235

      <210> 345
      <211> 458
      <212> DNA
      <213> Homo sapien

      <400> 345
ctgtaaggtg ctattcagtc ctgtgaccct tattttggaa tgctcttcat tactgttgct     60
ctgttttgtg acttcctggg aaaccgccta ctttggtgtg gtgtcacctt gagctgtgca    120
catagggcac cagttttgac ttaacctaac agccagcttt tatctctagc tttttcaagc    180
caggtattga gcagtttctt ggccaatggc ctgagaaacc acctgtccct gtcaaggggt    240
gattttattg gttttaagtg gggaagtaat cccatgtact tatttcttaa atacctagga    300
agttcttctt ggtggctcct cttggccctc ccctctttct cccccaaccc accatcctgc    360
aaggcaagga atggcctctc cctccacaga ggcaacggct gcagagggag cactgtagct    420
gccatcccag ttcctcttca aagccaaaca gacacgcg                            458

      <210> 346
      <211> 525
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(525)
      <223> n = A,T,C or G
```

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      <400> 346
ccagagcaca agcgctcacc atggactgga cctggaggat nntcttcnng gtggcagcag      60
ccacaggtgt ccactcccaa gcccaacttg tgcagtctgg ggctgaggag aagaagcctg     120
gggcctcagt gacratttct tgtaaggctt ctggatatat ncttactaaa tatactttac     180
attgggtgcg ccaggccccc cccggacaaa gacctgaatg ggtggatgga atcaacactg     240
gcattgatac cgttaaatat tcacagaagt ttcaggacag agtctccatt acctgggact     300
catccgcgac cacagnctac ctgnanctga gtagcctgga atccgaagac acggctgtgt     360
attactgtgc gagacttang gcccgttcgc tgtggtggga cttaatgacg cttttgacat     420
ctggggccaa gggacagtgg tcaccgtctc ttcangcagt gcattcgccc caaccctttt     480
ccccctctct cctgtgaaga attccccgnc ggatacgagc agcgt                     525

      <210> 347
      <211> 423
      <212> DNA
      <213> Homo sapien

      <400> 347
ccagacgctg acttgtttct gagtccttaa gcaggaagga tttgaaatcc tgaagcttgg      60
cagtcttgct cttcacctct aagccaatgt tgaccccttc atctataaag tccacaactc     120
tccggaagtc atcctcacgg aactgtcgag aagttaaggc tggggcccca agccgcaggc     180
cgcccggtgt gatggcactt cggtctccag gacaggtgtt cttgttggca gtgatggata     240
caagctctag cacccgctca gcccgagctc catccaggcc cttgggccgc aggtccacca     300
gcaccaggtg gttgtcagta ccacctgata ccagtgagta gcctcgctct agcagggcat     360
ctgccatggc ccgagcattc ttcagaacct gcagggagta ctcccggaac atgggggtgc     420
agg                                                                   423

      <210> 348
      <211> 513
      <212> DNA
      <213> Homo sapien

      <400> 348
cctctaggcc tgatgctctc agaggcaata gaagaaaagt aaaaggaagg tctcacttca      60
cagacaatga aacctcccta acctctttcc ccactaccca caactcccta cactgccaat     120
ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca     180
cacacacacg cacagcttcc tttcagccaa agaactgcaa aatccttccc cggaaggagg     240
acaactggca acaccaatca aggcttggtg gtctaaggtg atggctggaa tcatgtgaga     300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag     360
cccgccccac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag     420
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg     480
aatagctgga gatgggagct gcagggggct cag                                  513

      <210> 349
      <211> 231
      <212> DNA
      <213> Homo sapien

      <400> 349
ccttatttct cttgtccttt cgtacaggga ggaatttgac gtagatagaa accgacctgg      60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaacctta     120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg     180
atatggactc tagagtagga ttgcgctgtt atccctaggg taacttgttc c              231

      <210> 350
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<211> 341
<212> DNA
<213> Homo sapien

<400> 350
ctgcccaagg gcgttcgtaa cgcgaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtcagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g 341

<210> 351
<211> 256
<212> DNA
<213> Homo sapien

<400> 351
ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga ccccaacggc ggccttgagc 120
gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcggcataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

<210> 352
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgngttttc tagctgtcca ggaaaagcca 180
tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgactttttа ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg 368

<210> 353
<211> 368
<212> DNA
<213> Homo sapien

<400> 353
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgctaactgg ctaagggcca 60
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca 120
gctctgaggg aagcttaatg cctaatacag tcacactgca taaattagct tagaatgctc 180
tcttgggtaa aaaatattaa tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa 240
aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa 300
cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctctttcttt 360

```
tttttttt                                                             368

      <210> 354
      <211> 380
      <212> DNA
      <213> Homo sapien

      <400> 354
ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagcccct gttctgctca        60
agtctcaccc catggaagag gtgggggaag ggggccttgg tttttcaggg aggcaggttg       120
gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag       180
aacaccacgg agagccccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct       240
ttgaatctct ttgattggtg gctccaagag caatgggaag tcaacagcca ggaggctgga       300
ctgggttccc tgggaccccg aggtcccaga gctgctgggc agtggttgtc ggcaaagaag       360
aaaggtccaa gagggtcagg                                                   380

      <210> 355
      <211> 347
      <212> DNA
      <213> Homo sapien

      <400> 355
ccagtggggg ggtgggggta tcgatcccgc cgggggctgg cttggttgct ggtgccctga        60
gcccttctct gcccgcctgg gtgttgcctt cactgatgga ggtaggcgtc cagccagatg       120
tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtgaggaa gggcttcact       180
tcgtagctga ggccgtgctt ggcacacagc gacttgacca gcggggccac ccggctgtag       240
ttgtgtctcg gcatcctggg gaagaggtgg tgctcgatct ggaagttgag gtgcccgctg       300
aaccagttgg tgaaaagtga gggctccacg ttgcaggtgg ctgccag                     347

      <210> 356
      <211> 157
      <212> DNA
      <213> Homo sapien

      <400> 356
cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggtcatcgg        60
catggacgta gcggccaccg agttcttcag gtctgggaag tatgacctgg acttcaagtc       120
tcccgatgac cccagcaggt acatctcgcc tgaccag                                157

      <210> 357
      <211> 323
      <212> DNA
      <213> Homo sapien

      <400> 357
ccatacaggg ctgttgccca ggccctagag gtcactcctc gtaccctgat ccagaactgt        60
ggggccagca ccatccgtct acttacctcc cttcgggcca agcacaccca ggagaactgt       120
gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata       180
tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg       240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg       300
caaggcgggg ctcctgatgc tgg                                               323

      <210> 358
      <211> 555
      <212> DNA
```

```
      <213> Homo sapien

      <400> 358
aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaatgt       60
atttaaaaga aaattgagag aaaggactac agagccccga gttaatacca atagaagggc      120
aatgctttta gattaaaatg aaggtgactt aaacagctta aagtttagtt taaaggttgt      180
aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa      240
aagaccttga aatccatgac gcagggagaa ttgcgtcatt taaagcctag ttaacgcatt      300
tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttgga      360
gaagatagaa gtttgaagtg gaaaactgga agacagaagt acgggaaggc gaagaaaaga      420
atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt      480
taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg      540
caaaatgtac accac                                                       555

      <210> 359
      <211> 549
      <212> DNA
      <213> Homo sapien

      <400> 359
ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc       60
agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc      120
tcaaccacag tctgacaaca gagcccactt ccatccctctc tggtgtgagg cacagcgagg     180
gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc      240
aggaaaaacc agccactgct ctacaggaca gggggttgaa gctgagcccc gcctcacacc      300
cacccccatg cactcaaaga ttggattttta cagctacttg caattcaaaa ttcagaagaa     360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct      420
ttttcaaaaa atcaacaatt ccccagcgtc gtcaaggggtg gacactgcac gctctggcat     480
gatgggatgg cgaccgggca agctttcttc ctcgagatgc tcttgctgct tgagagctat      540
tgctttggt                                                              549

      <210> 360
      <211> 289
      <212> DNA
      <213> Homo sapien

      <400> 360
tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc       60
cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttattttttt ctgtaaagta      120
taatatataa aactttcttgc ttaaattgaa tttctatatt agtggttaat tgcagtttat     180
taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac      240
agaattaggg atttgagata tctgattata tttttcatat gaatcacag                  289

      <210> 361
      <211> 311
      <212> DNA
      <213> Homo sapien

      <400> 361
ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt       60
gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat      120
ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg      180
ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag      240
gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc      300
atctgcagca g                                                           311
```

```
<210> 362
<211> 496
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(496)
<223> n = A,T,C or G

<400> 362
ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac      60
aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact     120
gatttcttca gacatttaat aaccactacc tttttttgca ttaatgaagt ttgactatat     180
gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag     240
cctgtcctct gtattgcggt agatttatac attctgttgc ctaaatatgt gtgtaaaatg     300
agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt     360
tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat     420
cccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt     480
cttggcaaac atttgg                                                     496

<210> 363
<211> 673
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

<400> 363
ccaagaggga gataanacaa acttctcaaa caaaagaaaa agaaaacgga atgattcatc      60
tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact     120
atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt     180
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag     240
ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttctta     300
cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc     360
cctttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagatacc     420
atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa     480
actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta     540
agattcattc ctcattctgt ttctttccag tgggagaaga gtccccatga ataagatga      600
aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt     660
aggaaacttt ggg                                                        673

<210> 364
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G
```

<400> 364
ccaaatgttt gcncaagact agcagagttt ttctttttaaa cattctgtat gaaatatgtc 60
agactggggg acgggggatc tctttctaatt cattgttttt cttttaaaca ttgtgcacaa 120
gcttatattc acatagaaag catatacatc ttataaatca cagactttttt tttaagtagt 180
[illegible] [illegible] tttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atttagtccc tttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatcagta tctatgattg agattgttaa tctctgagta taacacatat 420
tgttcatctc agagttgttt tgttttaaag ccgtggtaga tgctttcttt taaatgtgca 480
tttttagaa actgg 495

<210> 365
<211> 291
<212> DNA
<213> Homo sapien

<400> 365
aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattggtg gtattggtac 60
tgttcctgtt ggcccgagtg gagactggtg ttctcaaacc cggtatggtg gtcacctttg 120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g 291

<210> 366
<211> 277
<212> DNA
<213> Homo sapien

<400> 366
ctggatggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
gggtagcccg cagtccaccc tgtccttggc tggcacggca cactggtttg cagacaggcc 180
cacgtactcc tcagcagagc tggaggacaa gcaaggccag gacccagcccc agcatgcaga 240
gcgctctggc agccatgacc accgtgggct ccgggac 277

<210> 367
<211> 311
<212> DNA
<213> Homo sapien

<400> 367
ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc 60
tcaggatcat ctcgaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctggtggca gtcctccttg aagaggttgc 180
tgatgatgtt gctgcccgag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300
cgttgttggc g 311

<210> 368
<211> 384
<212> DNA
<213> Homo sapien

<400> 368

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ccaagggggt ctctagctgc tgctctgctg ctcctgctca tggatgagtt tggcgatggg      60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt     120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat     180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac     240
caggctgtac ctagacacat atttgtagaa gtcttccacc cggacaatga ctgccttctc     300
cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg     360
gggccaagcc cagttacagc ccag                                            394

      <210> 369
      <211> 216
      <212> DNA
      <213> Homo sapien

      <400> 369
ccaagtgcca ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg      60
gaggctgcca tccagaacct caatgaagcc aagaactatt ttgcaaaggt tgactgcaaa     120
gagcgcatca gggacgtcgt ctacttccag gccagactct accataccct ggggaagacc     180
caggagaggg accggtgtgc gatgctcttc cggcag                               216

      <210> 370
      <211> 561
      <212> DNA
      <213> Homo sapien

      <400> 370
ctggctcctt cttttgtggt cgtttggggg atgggctggt ttggggttta ggtgcagaga      60
atggtttggg gccactgcgt actggaccac tctgagcctt cagggcaggg ttcttgtgag     120
tcttcatgtc atcagataca tgttttaggg catgtgtaat gctctccccc tgattaatct     180
gctcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactgggg     240
gaggaggggg gcctggtggc gggggaggag gacctgatcc ggcagagggt ccagatggca     300
gtccgctcag ttcttttgcc acaggccccg ttttgctcca ggccagtccg gtggtatgga     360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta     420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgtataa aacatggcgg     480
catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg     540
cctggatact ttcgctgaca g                                               561

      <210> 371
      <211> 518
      <212> DNA
      <213> Homo sapien

      <400> 371
cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc      60
agcctccaca cctaccacga cctcccaggg ctggcctcag gaaaaaccag ccactgcttt     120
acaggacagg gggttgaagc tgagccccgc ctcacaccca cccccatgca ctcaaagatt     180
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa     240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc     300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag     360
ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaggg     420
ggtttctttt tgtctttctg taaggtggac ttccagcttt tgattgaaag tcctagggtg     480
attctatttc tgctgtgatt tatctgctga aagctcag                             518

      <210> 372
      <211> 335
      <212> DNA
```

```
      <213> Homo sapien

      <400> 372
ctggaggctg ggtgcaccct gcccagatcc acacctgtac cccggcggaa aggctcatgg        60
gcattgaaga cggtggtgaa aaagccaaag ggaaaagcac caacaccaaa tgagaagtgg       120
cagcacaggg tatcagcaaa tggctggaat ccccctctgc tctccggagc tggtctctgg       180
ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca       240
taaagcggga caaccttctc tctgctgatc ccagctttac atactggaca ctcttgccgt       300
tctggccgtg tctccagcca ctgatgaaga catgg                                  335

      <210> 373
      <211> 467
      <212> DNA
      <213> Homo sapien

      <400> 373
ccactagctg aatcttgaca tggaaggttt tagctaatgc caagtggaga tgcagaaaat        60
gctaagttga cttagggcct gtgcacagga actaaaaggc agggaagtac taaatattgc       120
tgagagcatc caccccagga aggactttac cttccaggag ctccaaactg gcaccacccc       180
cagtgctcac atggctgact ttatcctccg tgttccattt ggcacagcaa gtggcagtgt       240
ctccaccacc tatgatggtg atgcagcccc tagaagtggc tttcaccacc tcatccatga       300
gagctttggt tccccgggca aaagcttccc attcaaatac ccccacagga ccattccaca       360
caatctgctt agcccgagtg acagcctcag catacttctt gctgctttca ggaccacagt       420
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg                     467

      <210> 374
      <211> 284
      <212> DNA
      <213> Homo sapien

      <400> 374
tttccgtaaa agcgtgtaac aaggggtgaa atatttataa tttttataac ctgttgtgag        60
acccgagggg cggcggcgcg gttttttatg gtgacacaaa tgtatatttt gctaacagca       120
attccaggct cagtattgtg accgcggagc cacaggggac cccacgcaca ttccgttgcc       180
ttacccgatg gcttgtgacg cggagagaac cgattaaaac cgtttgagaa actcctccct       240
tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg                        284

      <210> 375
      <211> 307
      <212> DNA
      <213> Homo sapien

      <400> 375
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat        60
ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg       120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag       180
tggacaataa cacatggaat aatacccata tttcccgagt agggcaggca atggcgtcca       240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt       300
ttggagg                                                                 307

      <210> 376
      <211> 650
      <212> DNA
      <213> Homo sapien
```

<220>
<221> misc_feature
<222> (1)...(650)
<223> n = A,T,C or G

<400> 376
ccattgnctn ctnacgtgat gtcatcatct gccaggtcat cttggcaaaa gtcggagcat 60
ttctcagtca ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc 120
atgtactcgg catcgtcatc atagggcttc tgtgccccaa tgcccacccca gaagaagttc 180
tcaggctcct caccttcgtt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc 240
aggatgtctt ctgcccactt ggcttcgtca gggtctgatg ccccgcccac ccaggcatac 300
acgatgccct ggttgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag 360
ttgcggaggc tggagtcgat gttgatctgg atgcaccggg tgcagaggqc gctgccgttg 420
gtgcggatct ggtagaggct gggctgttgg gcgccctgga ccgccttcct cttgcccogg 480
tggatgatga acttccctct gaaatgggac aggaacttgg ggttctcctg ctgctgcgtc 540
atgcgtacca cctccagctt cccagggaag aggctctcga acttcttttg caggctgaag 600
gtgaaggtga cccacccata ttgggaggct ttcacggccc tgccagaagt 650

<210> 377
<211> 306
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 377
tctagatgca tgctcgagcg gccgccagtg tgatggánat ctgcagaatt cgcccttcga 60
gcggccgccc gggcaggttc gggtgctgcc ttcacctgcc aggcccttcc ccgctagctt 120
ggggcgagca gagctgcgtc cagtggaact aaagccgttc caggattatc aaaaactgag 180
cagcaacctt ggggggacctg gatcatcacg gactccccca actggaaggt ccttctctgg 240
cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcacccagcg 300
cgtcga 306

<210> 378
<211> 199
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 378
ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc 60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
ttttgggttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
atcctgtgat tcctggtgg 199

<210> 379
<211> 216
<212> DNA

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 379
ccagggcang tcatcaagag gggcattgtc ttgcatgcgg cctgccgtgt ccaccagcac      60
cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc     120
cttgccatag cccttttcaa acaactgcac catggtgcgg ccacccatgct tctctggagg    180
gtgtagggca ctcaaacgcc gggtgtgtgt acgcag                               216

<210> 380
<211> 555
<212> DNA
<213> Homo sapien

<400> 380
ccatgggcct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata      60
gtgaaaatgg tgatgatatc tttagaaggt gaagatgggt tggatgaaat ttattcattc     120
agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg     180
ccctgcccat tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt     240
ctacaggaga gagttaaaaa gacttggaca gttgtggatg caaaaaccct aaaaaaagaa     300
gatatacaaa aagaaacagt ttattgctta aatgatgatg atgaaactga agttttaaaa     360
gaggatatta ttcaagggtt ccgctatgga agtgatatag ttcctttctc taaagtggat     420
gaggaacaaa tgaaatataa atcggagggg aagtgcttct ctgttttggg atttgtaaa      480
tctttctagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa     540
gagatgatga ggcag                                                      555

<210> 381
<211> 406
<212> DNA
<213> Homo sapien

<400> 381
ctccaccagg tgggcctcta ggtcccatta agcccattgg tccagggcca agtccaactc      60
cttttccatc atactgagca gcaaagttcc caccgagacc agggggccca ggaggaccag     120
gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac     180
ccctttctcc acgtggtcct ctatctccgg ctgggccctt tcttacagtt tcctcttgta     240
aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca     300
caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg     360
tcaccggcgg aggtatcacc tggcgggcgc gggcatgcag tcgtgg                   406

<210> 382
<211> 528
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

<400> 382
```

```
ctgagcagtt tgtgggtntn tcttcccgca agtttcagga agtattcaca aaagaaaaat      60
acattttttc ccccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc     120
ctgggaaagg ggacgggccc gtgatgttaa atatctccgg ctcccaagtg actggatttg     180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag     240
aaagtgaggg ccgtacaagg aagtgaaatt ctgagttgtt ggggctaagc ctgaccccct     300
ctccatgctc cccgccccaa cccactctgg cctcagtaga tttttttttc agttgtggtt     360
gttgcccagg ctggagtgca gtagcgccat cttggctcac tgcacctcca ccttccgggc     420
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctacaggtgc tccaccatgc     480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg                  528
```

```
<210> 383
<211> 335
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(335)
<223> n = A,T,C or G

<400> 383
ccatnttgag tctactcctg cgtcttgtgc cctagcaccc cgagaaccgt cagtttgagc      60
cagatggcag ctcagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa     120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg     180
gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc     240
ctgaattttg taaagtaata tttaaggtgg tctgtgataa ttaaataaaa tgcttaattc     300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaa                                335

<210> 384
<211> 333
<212> DNA
<213> Homo sapien

<400> 384
agtccaatac ggctattggg gttgtagcag ctttcagaag aaattagtgg tctgggcctg      60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc     120
tggtgtcacg tccatccgag cgctgcccca gggatcgata aagtttcact gcagaaagtc     180
tccactgcgg tatgctgaca tctgccctga accttcaccc tacagcatta caggctttaa     240
tcagattctg ctggaaagac acaggctgat ccacgtgacc tcttctgcct tcactgggct     300
ggggtgatcc ttggtgcctt tgtttccaca agg                                  333

<210> 385
<211> 343
<212> DNA
<213> Homo sapien

<400> 385
ctgtgacacc tcaggttgaa agggtcttcc tctttgaaca cccaccgagg ggcctggagc      60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc     120
tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc     180
tggcttgaga tgagggtctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag     240
gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgaggctcc     300
agggacacca cagcctttgg gagatcttca gtccgcatgc caa                       343

<210> 386
```

<211> 244
<212> DNA
<213> Homo sapien

<400> 386
[illegible] [illegible] [illegible] gaactaatag caaccaggca actgaggacg 60
aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
acag 244

<210> 387
<211> 504
<212> DNA
<213> Homo sapien

<400> 387
atctggagtc cagcctcagg gatgcgctac tttccattct ctgcattgaa cattcgttct 60
gtcagcatcc gttccagctt cactgcatca gcggcaaact tgcggatccc gtcagagagc 120
ttctccacag ccatctggtc ctcgttgtgc aaccaacgga aagacttctc atccaggtgg 180
attttttcca ggtcactggc ctgggccgcc ttggctgaga gcacaggcac cagcttggcg 240
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300
agtgctttga tctcgcccgt gttgcggaag gaggcgccca tgacaatggt tttgtagcta 360
aacttcttgt agtagttgta gattttagtg acactcttta ccccaggctc ttccaggggc 420
tcataggatt tcttgtcggt gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480
gagatgaggg tcacacccgc ctcg 504

<210> 388
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 388
gccaaagtgc tgcntgaatt ccactccctt ggttttcgcc tgcccagcgt tgctgtttgc 60
gtggagggtg gggggagctc agtggcaggg aatcagcggt ccgtggggtc gtggggacgg 120
gaacatgtgc ccgaccgctc catcccctcc tcctccttag gatgcataac ctaccttgtc 180
tttttttttt taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga 240
aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg 300
actgccatga gttccaccaa aaagccactn tattttggtc tntgtgacat tttaaatgcg 360
tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta 420
ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389
<211> 237
<212> DNA
<213> Homo sapien

<400> 389
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120

```
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac      180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat      240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg         297

      <210> 390
      <211> 223
      <212> DNA
      <213> Homo sapien

      <400> 390
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttacccag       60
gtccagagaa accaacgcgg gatgtcagac ttcaccaaaa ggactttctg gttgcccctg      120
gctggcttcc tgggggcgtt cgcctctagt ttctcaggga tggagcgaga gcccagccag      180
agaacagtaa gaggagctgc tctcctatct gcactcaccc agg                        223

      <210> 391
      <211> 365
      <212> DNA
      <213> Homo sapien

      <400> 391
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gcccactggc ctcctgtgaa       60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct      120
ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaaggtg gatgctggtg      180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggtcctagaa      240
ctcccagcag aacagaacgg aaaaggagct gattggggat agactgagtt ctgctaaaca      300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca      360
ggtgg                                                                  365

      <210> 392
      <211> 302
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(302)
      <223> n = A,T,C or G

      <400> 392
gcaagagcta caatgagcag ggcatcanga cagaacgtgc aggtttttga gttccagttg       60
actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt      120
gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt      180
tgcctgatgt ctaccagaag ccctgtgtgt ggatggtgac gccgaggacg tctctatgcc      240
ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac      300
ag                                                                     302

      <210> 393
      <211> 213
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(213)
```

<223> n = A,T,C or G

<400> 393
ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60
tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120
[illegible] [illegible] tggaagagga aggccaatgt cccgtagatg acaaggtcaa 180
tttccatttt attctgttta acaacgtgga tgg 213

<210> 394
<211> 334
<212> DNA
<213> Homo sapien

<400> 394
cctacccata atccagagag gcttgcccag agggggacta cgtgggggac gtgcccaccag 60
aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120
cgtagctccc cgaatgggct taagaagagg tggtgttcga ggtcgtggag gtcctgggag 180
agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcgggggtat 240
gataggtcgg ggaagagggg gcttggaggg ccgaggccga ggccgtggac gagggagagg 300
tgcccttgct cgccctgtat tgacccaagga gcag 334

<210> 395
<211> 174
<212> DNA
<213> Homo sapien

<400> 395
ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg 60
cacttcccca accttcactc tccatgtagc ctactgggtc tactattcca caaagtggct 120
caacctccaa atgacctctg gtttacccct attaaaatcc caaaggactt tcag 174

<210> 396
<211> 140
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 396
ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gcccacaaca 60
cgttcattgt ctttagtatt acagattatt tttgcataac atttgttgtt atctcttgac 120
ggaatcgtcc attccaatgg 140

<210> 397
<211> 318
<212> DNA
<213> Homo sapien

<400> 397
cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agagggtctg 60
gcagagggtc ccgcagaggt ctgggcaggg ggtctgacat ccctggctcc tgctctggct 120
ctggctgccg ggatttgcac aggcccaggt gcatacagat gccgtttgag tccgtctggt 180

tctggaagta gttgatgacc aggggaagt agtcgtcaag cacttggttg cactggggca 240
tgagcagctt caagggaggg acgttgcact cctgctccag gaacttcctc atcgtgtcct 300
ggaaaatggc ctccttgg 318

<210> 398
<211> 517
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(517)
<223> n = A,T,C or G

<400> 398
ccttnctttg ccatccattc atcgaccctc tccagcactt gctgcaggct tggctgacca 60
tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg 120
actacaggct ggacatacat gtgaaaggta gactcaatct ccatggtccg gccatttagc 180
tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgtc gcacgtggcc 240
tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc 300
atggatgcgc caaagccgtg ggccgccagc tttctggtgg atatggagca gaactccgga 360
acaccacagc gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420
gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480
aaaactctcc ttacttcgaa gatgccaaga ccggcag 517

<210> 399
<211> 329
<212> DNA
<213> Homo sapien

<400> 399
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
agcattgaag gcaacctgga aatgaggccc acagactcaa agttactctc cctcccccta 120
cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc 240
tttttccttt tttcggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
cctgtcatga tcacagtgtc agagacgcg 329

<210> 400
<211> 451
<212> DNA
<213> Homo sapien

<400> 400
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcacc ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagacc 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag ctgctggagc tggcaaggtc accaagtctg cccagaaagc 360
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtggtgga 420
agaacggctc agaactgttt gtttcaattg g 451

<210> 401
<211> 180

```
      <212> DNA
      <213> Homo sapien

      <400> 401
ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagccagg tggtaggcca        60
[illegible] [illegible] gaaaagctct gcacggcagg cagcacacca ttcgtcagcg      120
cgttggtggc ggccaacagg cccagcaagc aggcactgcg ggctgataga agctgatagg       180

      <210> 402
      <211> 385
      <212> DNA
      <213> Homo sapien

      <400> 401
ccaggccacc tgtgcggggc tcctcgatgt ggaaggttcg ggtgagggga ttgtagaagg        60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgttgtag ggcatgctga       120
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag       180
agccatcaga gactggaaac aggctgttga agaggggact ctcttcccag tccactggct       240
tggctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat       300
ggttaggatc tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa       360
ccttggtgac tgagttggcc ggcag                                             385

      <210> 403
      <211> 440
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(440)
      <223> n = A,T,C or G

      <400> 403
ctgtttaacc agnaacccgg ggggtcaccc cccacagaat gtacatgaaa cactagaggg        60
ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg       120
agcgccatcc ttctaagcaa atcctccctt tccctttggg aggatttgcc cgaactacgt       180
agccagtcag cacttagacc acctgcctcc tcccccccct ataaacccac cactcccctc       240
ctcctttccc aaaccacttg gggtgtccta agccctcact gccccaagcc caaaatatca       300
gctaagatcc ttgtcagtat ttccacagtc atacctaatc aattgggaag tggggcccct       360
aaaaaccaat tcacatctat gcacttgttt ccactggatt tggcagacag gcttttttag       420
ttaccgtaac cagatcttaa                                                   440

      <210> 404
      <211> 239
      <212> DNA
      <213> Homo sapien

      <400> 404
cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg        60
tctcctattt ccacaattcg gagccccagg tcttgcaggg ctttgcggac tccatcgacc       120
tctggcctac gagcggggct ccagggccgc gtgattaggg ccgtgtcccc ttggatcacg       180
gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag        239

      <210> 405
      <211> 261
```

```
        <212> DNA
        <213> Homo sapien

        <400> 405
ctgggaggc agcccttcac cggatgccca gctccgtgcc cctgcgggcc ccagcacagt      60
ttaccttctc cccccacggc ggtcccatct actctgtgag ctgttccccc ttccacagga    120
atctcttcct gagcgctggg actgacgggc atgtccacct gtactccatg ctgcaggccc    180
ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tggtccccag    240
tgcggccctt ggtttttgca g                                              261

        <210> 406
        <211> 641
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(641)
        <223> n = A,T,C or G

        <400> 406
ctgctccggg gcntggtggc agcaggtaga catcgggcct gtgcagggcc accccccttgg     60
gccgggagat ggtctgcttc agtggcgagg gcaggtctgt gtgggtcacg gtgcacgtga    120
acctctcccc ggaattccag tcatcctcgc agatgctggc ctcacccacg gcgctgaaag    180
tggccttggg gtggctctcg gagatgttgg tgtgggtctt cacagcttcg ccattctggc    240
gggtccagga gatggtcacg ctgtcatagg tggtcaggtc tgtgaccagg caggtcaact    300
tggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggatgg    360
ctgtgtcttg atcgggcaca cacatgcagg acgcattctg ctggaaggtc aggcccctgt    420
gatccacgcg gcaggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg    480
tgctggtcac cttgtaggtc gtgggcccag actctttggc ctcagcctgc acctggtccg    540
tggtgacgcc agacccracc tgcttcccct cgcgcagcca ggacacctga atctgccggg    600
gactgaaacc cgtggcctgg cagatgagct tggacttgcg g                        641

        <210> 407
        <211> 173
        <212> DNA
        <213> Homo sapien

        <400> 407
ccaggtactg gcacaatcat gtctggatgg gggtggtggt gtcctgtagg cagagaaaca     60
ggaaactgtc gtagtcagta tcgagcagcg tggcctcgtt cgcracccgta tagttgatct   120
tgaacttctt tggattctca gtcttctctc caaggacctt ctttcaaaca cag           173

        <210> 408
        <211> 165
        <212> DNA
        <213> Homo sapien

        <400> 408
ccactgtctg cagccatggc agaaagtgct caaagtccag caccttcaca ttcatctcat     60
cactcttggg gttcccagg acccttgagca cctcggcgtt ggtcgggttc tggcccaggg    120
ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac                    165

        <210> 409
        <211> 329
```

<212> DNA
<213> Homo sapien

<400> 409
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
[illegible] [illegible] [illegible] gtggtctcca ctcccacctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgacccag gacggtcagc ttggtccctc cgccaaatac cgccggataa 300
gcacccactgt tgtctgctga ttgacagaa 329

<210> 410
<211> 235
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

<400> 410
ccatcagnge gaaaggtgtt tgtcagttgt ttcacaaacc agattgaggc ggacaaactg 60
ctctgccaat ttctggattt ctttattttc agcaaacact ttctttaaag cttgactgtg 120
tgggcactca tccaagtgat gaataatcat caagggtttg ttgcttgtct tggatttata 180
tagagctttt tcatatgtct gagtccagat gagttggtca ccccaacctc tgag 235

<210> 411
<211> 294
<212> DNA
<213> Homo sapien

<400> 411
aattaaggga agatgaagat gataaaacag ttttggatct tgctgtggtt ttgtttgaaa 60
cagcaacgct tcggtcaggc tatcttttac cagacactaa agcatatgga gatagaatag 120
aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaaggtggaa gaagagcctg 180
aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg 240
aagaaatgga tgtgggaaca gatgaagaag aagaaacagc aaaggaatct acag 294

<210> 412
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 412
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctggag 60
ccgcacacgc tctcctccca tgttaaatag caccttttaga aaaattcaca agtccccatc 120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaggaa 180
catttgntgg cctgggggg catctnantt tntntagcnc cagngattcc ctccccnccc 240
caccccatcac atanatgtaa caccttttggt ntaaaatggg gagccgtttc caccntgncc 300

ccntccccgc ccccaggcag ttgccccggn gacacntcaa gacaggancg aggtagtntt 360
tcancancac agttncacaa ggaacagaac agtntctccc gcccagccct gcggcacaag 420
ggattgacac gcn 433

<210> 413
<211> 494
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(494)
<223> n = A,T,C or G

<400> 413
ccttatttct cttgtcnctt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggaggtt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggt 360
agtttaggac ctctggcttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccgcc tcttcacggg caggtcaatt tcactggtta 480
aaagtaagag acag 494

<210> 414
<211> 294
<212> DNA
<213> Homo sapien

<400> 414
ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccc tgagcagtcc 60
agcgaggact tggtcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgc gctagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctctctcttg cgctgagcta aagctaccta caatggcctt gtgg 294

<210> 415
<211> 421
<212> DNA
<213> Homo sapien

<400> 415
ccttgcccct gccctcccac gaatggttaa tatatatgta gatatatatt ttagcagtga 60
cattcccaga gagccccaga gctctcaagc tccttctcgt cagggtgggg ggttcagcct 120
gtcctgtcac ctctgaggtg cctgctggca tcctctcccc catgcttact aatacattcc 180
cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttcccctg ggaccaaaat 240
ttaggggcct cactccctca ccgcccatgcc ctggcctatt ctgtctctcc ttcttccccc 300
tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga 360
tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca 420
g 421

<210> 416
<211> 343
<212> DNA

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 416
ccactttctt tcccacnctg gaaggcggca tctatgactt cattggggag ttcatgaagg      60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca     120
aggggagata caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt     180
cccgctgcac tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc     240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct     300
ggatgataac acgctatgat ctgtaccaca ccttccggcc gg                        342

<210> 417
<211> 389
<212> DNA
<213> Homo sapien

<400> 417
tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc      60
agagcaaaca cagatcgcag gtcgccctgg agctgaggaa tagctttgat ttttggtaaa     120
atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct     180
ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg     240
aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttggttgaa     300
gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt     360
ccagtcacaa gtactaagcc actagccag                                       389

<210> 418
<211> 343
<212> DNA
<213> Homo sapien

<400> 418
gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg      60
aagccgaatt cctcgtctgg ggcacccacg tccaaggggg ccacatcgat gatgggcagg     120
cgggaggtct tggtggtttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc     180
gtgcagccat cgacagtgac gctgtaggtg aagcggctgt tgccctcggc gcggatctcg     240
atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg     300
taggccacgc tgtttttgca gtggtaggtg atgttctggg agg                       343

<210> 419
<211> 255
<212> DNA
<213> Homo sapien

<400> 419
cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg      60
cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc     120
tcagtgaaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa     180
caaatgattt cgtaggatag cacagtgaca tggtgcactg tgaacctgag gccactgtgt     240
caaactgtgc actgg                                                      255

<210> 420
```

```
<211> 261
<212> DNA
<213> Homo sapien

<400> 420
cttctgatga taacccaccc ctagctacca ctctgtattc atcaggggag gggtataaac      60
cccacatgca agaagaaccc ttgcccccag tgtcaaatgg gatggggatg ctagagttat     120
agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataacccct     180
gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg     240
caaagttccc ctcaactgtg g                                               261

<210> 421
<211> 179
<212> DNA
<213> Homo sapien

<400> 421
ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa      60
tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat     120
tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag      179

<210> 422
<211> 424
<212> DNA
<213> Homo sapien

<400> 422
cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg      60
ctcccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga.    120
aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcctatatc atgaatgcta     180
ttaagaaata tcagaaaggc ctctctgata aactggattt ccttgaggga gatcagaaac     240
ctctggcacc gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg     300
ctaaacgaag gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt     360
ggaacactcc ggagagtctt gatgatgtat ctagcttccg ggccaagaga gctcatggca     420
gagg                                                                  424

<210> 423
<211> 256
<212> DNA
<213> Homo sapien

<400> 423
ctgtggccta gggctacctc aagactcacc tcatccttac cgcacattta agggcccatt      60
gcttttggga gactggaaaa gggaaggtga ctgaaggctg tcaggattct tcaaggagaa     120
tgaatactgg gaatcaagac aagactatac cttatccata ggcgcaggtg cacaggggga     180
ggccataaag atcaaacatg catggatggg tcctcacgca gacacaccca cagaaggaca     240
ctagcctgtg cacgcg                                                     256

<210> 424
<211> 330
<212> DNA
<213> Homo sapien

<400> 424
ccagccgcat gggagtggag gcagtcatcg ccttgctaga ggccatcccg gacaccccag      60
```

```
cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc    120
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac    180
tccgagggag gagctttgcg ggcaacctga acacctacaa gcgacttgcc atcaagctgc    240
cggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg    300
cggctgggat gaacgcggcc gtacgctcag                                      330

      <210> 425
      <211> 333
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(333)
      <223> n = A,T,C or G

      <400> 425
ctgctccatg gnctcaaagt cagcaccacc cacacccaca atgatcactg acatgggcag     60
gttcgaggca cgcaccacag cctcacgtgt ggcttccaca tccgtcacag caccatcagt    120
cagnagaaac agnatgaagt attgngaggc antcccctga tgtgcagcct gggctgcaaa    180
cctggacctg cccgggcggc cgctcgaaag ggcgaattcc agcacactgg cggccgttac    240
tagnggatnc aganctcggt acnaagcttg gcagtaatca tggtcatagc tgtttcctgt    300
gagcggntgg gatgaacgcg gccgtacgct cat                                  333

      <210> 426
      <211> 411
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(411)
      <223> n = A,T,C or G

      <400> 426
gggtgttcat catgaggatt gcttctgcca tggagctgat ggacgtgggc aggttgctga     60
gaaggtgggg tggaagtgag tgccgggggt gggtgagtgc cctggtcttg ttcatagggg    120
agcctttccc tagcagtgga acgctgtggt cattttctct agcatattcc cttgggaagt    180
ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgcac    240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa    300
acagaaacca gttcaaaggg ggatggtgta aaagatgagg cagtanaaat gctttggaat    360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t             411

      <210> 427
      <211> 450
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(450)
      <223> n = A,T,C or G

      <400> 427
acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg     60
```

```
gcacctacac tctctactta atcattggag atgccacttt gaagaaccca atcctctgga      120
atgtggctga tgtggncatc aagttccctg aggaagaagc tccctcgact gtcttgtccc      180
agaactcttt cactccaaaa caggaaattc agcaactgtt ccgcgagcct gagaagaggc      240
cccccaccgt ggtgtccaat acattcactg ccctgatcct ctcgccgttg cttctgctct      300
tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgct cctagcacga      360
ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc      420
tcaacatctt ccagaacttg aagtacctgg                                        450

      <210> 428
      <211> 377
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(377)
      <223> n = A,T,C or G

      <400> 428
cagggctatc gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg       60
acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg      120
aaatagagcn ggncaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc      180
nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa      240
acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn      300
canaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan      360
cncaatttta tccnaaa                                                      377

      <210> 429
      <211> 206
      <212> DNA
      <213> Homo sapien

      <400> 429
gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca       60
ctggggggca agggatctcc aagggggcaa gggatcccta aagggggtag ctcacaggtg      120
aggggtttta gggcccctct agggagcgcc tgaggccata cattcaagag tgtccctggt      180
gaggcccagg gacgagccag gactgg                                            206

      <210> 430
      <211> 473
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(473)
      <223> n = A,T,C or G

      <400> 430
ccttatttnt cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg       60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta      120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg      180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa      240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg      300
ctcggaggtt gggttctgct ccgaggtcnc cccancggaa atttttaatg caggtttggt      360
```

agntnaggac ctgtgggttt gttaggtact gggtgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgcccncc tcttcacggg caggtcaatt tca 473

<210> 431
<211> 215
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(215)
<223> n = A,T,C or G

<400> 431
cctgtatnaa gctannaaaa gactaccagc tcgggatcac cttcatcgtg gtgcagaaga 60
ggcaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaaca 120
ttccagcagg cacgactgtg gacacgaaaa tcacccaccc caccgagttc gacttctacc 180
tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 432
ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc 60
tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc 120
tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa 180
ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcagataa gcggtataga 240
aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt 300
agcaagacgg gaagtcggtg acaccaaact ttcccaccac attggcctct gtgttcagca 360
ccctgcgcac cgccacncct ttgtgctggg a 391

<210> 433
<211> 420
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

<400> 433
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggctgcg 60
tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgacgtag gacggttagt ttggncccct cgccgaatgc cgcanttcta 300
ctgtcccaca cctgacagta atagtcancc tcatcttcgg cttgggtctt gctgatggtc 360

```
agggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn      420

        <210> 434
        <211> 239
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(239)
        <223> n = A,T,C or G

        <400> 434
ccaaccanga gagaagggat cgcctggtgc ccagggccca ccaggagctc caggcccact       60
taggattgct gggatcactg gagcacgggg tcttgcagga ccacccaggca tgccaggtcc     120
taggggaagc cctggccctc agggtgtcaa gggtgaaagt gggaaaccag gagctaacgg      180
tctcagtgga gaacgtggcc cccctggacc ccagggtctt cctggtctgg ctggtncag       239

        <210> 435
        <211> 415
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(415)
        <223> n = A,T,C or G

        <400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc       60
tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgacccagt caccctggat      120
gtcctctatg ggctggacac cccatcatt tccccccag actcgtctta cctttcggga        180
gcaaacctca acctctcctg ccactcggcc tctaacccat ccccncanta ttcttggcgt      240
atcaatggga taccgcagca acacacacaa gttcntttta tcgccaaat cacgccaaat       300
aataacggga cctatgcctg tttagggntc taacttggnt actggccgca anaattccat      360
agtcagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn            415

        <210> 436
        <211> 152
        <212> DNA
        <213> Homo sapien

        <400> 436
ncaggattga naggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg       60
tctccgtcat ggcagtgatg aaaacctaac agggtggccc cctgtgccag ctcaggtgac      120
tggagcccga gggcctgaca ggttcccagc ag                                    152

        <210> 437
        <211> 174
        <212> DNA
        <213> Homo sapien

        <400> 437
ccaggtactg gcacatcatg ctctggatgg gggtggtggt gtcctgtaag cagaggaaca       60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc      120
```

```
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag           174

      <210> 438
      <211> 485
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(485)
      <223> n = A,T,C or G

      <400> 438
ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc      60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtacctat aaggagctcc     120
ttgacacggt caccgccccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga     180
agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc     240
ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg     300
cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc     360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang     420
acttccctcg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg     480
gaccc                                                                 485

      <210> 439
      <211> 317
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(317)
      <223> n = A,T,C or G

      <400> 439
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg      60
ggtcagaagg attcctatgt gggcgacgag gcccagagca agagaggcat cctcaccctg     120
aagtacccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac     180
cacaccttct acaatgagct gcgtgtggct cccgaggagc accccgtgct gctgaccgag     240
gcccccctga accccaaggc caaccgcnag aagatgaccc agatcatgtt tgagaccttc     300
aacaccccag ccatgta                                                    317

      <210> 440
      <211> 338
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(338)
      <223> n = A,T,C or G

      <400> 440
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag      60
ggccctcgaa gggcttgtgg ctgggatgat cccagggggc attgctcaaa gtgcacagga     120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggagggag ggtagaagcc     180
```

```
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc      240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtggggtg      300
ttggggtctc ggagaagctg ccagaactcc ctttctcc                              338

      <210> 441
      <211> 505
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(505)
      <223> n = A,T,C or G

      <400> 441
ccacacagan tcacccagcc acagacttgt cttccacaag cacgttctta tcttagccac       60
gaagtgacca agccacacgt actaaaggtt gaactcaaag atatgtacag ggtattaaac      120
aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa      180
tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag      240
tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta      300
acccatgcag caaatgctac ncatggtgcn gagtccgttt agaagcattt gcggtggacg      360
atggaggggc ccgactcgtc ttactcctgc ttgctaatcc acnngngctg gaaggnggac      420
agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat      480
natnttgatc ttcatggtgc tgggc                                            505

      <210> 442
      <211> 386
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(386)
      <223> n = A,T,C or G

      <400> 442
cgccaggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc       60
taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc      120
ttatgcctag caacatgcca atctttacaa gaggaaaccg taagaaaggg cccagccgga      180
gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tggtgaagat      240
ggtcccacag gccctcctgg tccacctggt cctcctggcc cccctggtct cgatgggaac      300
tttgctgctc agtatgatgg aaaaggaggg nggacttggc cctggaccaa tggccttaat      360
gggacctana ggcccacctg gtgcag                                           386

      <210> 443
      <211> 404
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(404)
      <223> n = A,T,C or G

      <400> 443
```

```
cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtcttctgac      60
caaggccaag ctttcctggg gctcagggaa aatcacactt tgctacccga agctgtatcc     120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc     180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca     240
ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac     300
[illegible] [illegible] atgagggggg acagcaagnt tggcccactt tacaattcta     360
gctcagagcc ancccctaac atggngggca tttattcatt tcgg                      404

      <210> 444
      <211> 318
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(318)
      <223> n = A,T,C or G

      <400> 444
catgggctat agtgcgctat gttgatctgg tgttcatgct aagttccgca tcaatatngc      60
gacttcttng gagtggggga ccaccangtt gcctaaggag gggtgaacct gcctacgttg     120
gaaatagagc tggtcaaaac tcntgtgctc atcagtagta gaattgcacc tgtgaatagc     180
caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa     240
acactggtan gaaaaaaagg ctgtttggtc taaanaagtc tggatngggt ataaatgaca     300
cnaanctatc atgactnt                                                   318

      <210> 445
      <211> 418
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(418)
      <223> n = A,T,C or G

      <400> 445
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag      60
cttcaattgc caatttcgtc gcctctaaag ctttactttt aggaacctct gcagcngcat     120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt     180
tcgaatccat ttctgtcact agcctggctg gcaaatgttt ctttcttcct ncctcacagg     240
ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc     300
atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc     360
aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga       418

      <210> 446
      <211> 361
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(361)
      <223> n = A,T,C or G
```

```
      <400> 446
ctgtccaatn acaacaggac cctcactcta cccagtgtca caaggaatga tgtaggaccc      60
tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacccagt catcctgaat     120
gtcctctatg gcccagacga ccccaccnct tcccccccat acacctatta ccgtccaggg     180
gtgaacctca gcntctcctg ncatgcagcc tctaacccac ctgcacagta tccttggctg     240
attgatggga acntccagna acacnacaca agagctcttt atctccancn tnaccganaa     300
gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttnccgggc     360
c                                                                     361

      <210> 447
      <211> 321
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(321)
      <223> n = A,T,C or G

      <400> 447
ccaggcnant ggttccccaa aggggacctc acccgccccg agctctgggg ccgctgacgc      60
tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca     120
ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc     180
atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac     240
caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng     300
ngtgngtttt caaatcatgt t                                               321

      <210> 448
      <211> 325
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(325)
      <223> n = A,T,C or G

      <400> 448
ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca      60
aacatagcat cacaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt     120
gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc     180
tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc     240
tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga     300
nattattatt taatcatacc ctgan                                           325

      <210> 449
      <211> 123
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(123)
      <223> n = A,T,C or G
```

```
      <400> 449
cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta      60
ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata     120
tta                                                                   123

      <210> 450
      <211> 328
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(328)
      <223> n = A,T,C or G

      <400> 450
ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct      60
cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca     120
tattttttaa caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa     180
atttgatttt agctggagct tttgactaat gtaaagtaaa tgccaaacta ccgacttgat     240
nggcatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc     300
tttgggcttt aactgtttca acctnggc                                        328

      <210> 451
      <211> 209
      <212> DNA
      <213> Homo sapien

      <400> 451
ctgccttgtt tcaacagata tgcaaagatc ctaggagaca gtccccatag accttcagac      60
attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttacccatt tatgcagggg     120
ccccaggaaa cttacacaca gccagaatga ggttcccaaa ggacttacat taattatggc     180
tcttgcttcc tttcacaaat gagctgagg                                       209

      <210> 452
      <211> 457
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(457)
      <223> n = A,T,C or G

      <400> 452
ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct      60
agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct     120
tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcatgtata     180
tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat     240
ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt     300
ttactctttg aagcattttg ggcttaagat tgccagcacc acacatcagn tgcagtcatt     360
gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttggag ttgtgnactc     420
caaagctaag gacagtgatg aggaagatgg catctgg                              457

      <210> 453
```

```
<211> 277
<212> DNA
<213> Homo sapien

<400> 453
ccaattgatt tgatggtaag ggaggcatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat cttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcc tcttgta                              277

<210> 454
<211> 198
<212> DNA
<213> Homo sapien

<400> 454
gttaaaagat agtaggggga tgatgctaat aatcaggctg tgggtggttg tgttgattca      60
aattatgtgt tttttggaga gtcatgtcag tggtagtaat ataattgttg ggacgattag     120
ttttagcatt ggagtaggtt taggttatgt acgtagtcta ggccatatgt gttggagatt     180
gagactagta gggctagg                                                   198

<210> 455
<211> 608
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 455
ctgagcaagc taaggaccag gggcaactag accctaataa tgngtacttt tgaaaatgat      60
acaaactacc ttggttgtaa gaagtgcagg ttcaacactt taggagaaca gtcttcaaac     120
tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg     180
gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt     240
cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcat actagtaagg     300
taagcaaggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa     360
tctgaaatga agtgttttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat     420
aactttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg     480
atggaatatc cttaaagcag gncactcngt ataatctgga ataatttcat ttgctaactt     540
ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc     600
ccaaatta                                                              608

<210> 456
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G
```

```
      <400> 456
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt      60
ctactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa     120
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa     180
aaggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa     240
[illegible] [illegible] ttaaagtgaa ttctacaaat aaagcctctt aatacatttc     300
tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg     360
actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag     420
gtgttcctct tgaggaaggc aggaattcct cttctgccac ctgttgg                   467

      <210> 457
      <211> 183
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(183)
      <223> n = A,T,C or G

      <400> 457
ccaaattttn tactttaaac actgaaaaca gaggaagtta ataaaaattt taacctataa      60
agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc     120
tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga     180
cag                                                                   183

      <210> 458
      <211> 445
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(445)
      <223> n = A,T,C or G

      <400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt      60
aacccattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta     120
aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag     180
ctagaagggg aagttggtta aaaatcacat caaaaagcta ctaaaaggac tggtgtaatt     240
taaaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaat     300
atagtaactt agtttgaaaa atgngaagga ctttcgtaac ggaagtaact caagatcaag     360
agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat tttttaaatc     420
ctgaggacta ncattaatgg gacag                                           445

      <210> 459
      <211> 426
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(426)
      <223> n = A,T,C or G
```

```
        <400> 459
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgctgaga        60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt       120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta       180
atactgttta tttgagcaat aatatattgt gctaacgttc aggcatccta ttactgagaa       240
ataaggggaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc       300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac       360
atnttggctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcgggccg       420
gataga                                                                  426

        <210> 460
        <211> 348
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(348)
        <223> n = A,T,C or G

        <400> 460
ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga        60
agtttggtta tatttcactg aaaatttttct tccagagtag gtttttttc gtgggttggg       120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaatg aggagtgcag       180
cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct       240
gctgcctaga tcactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaac       300
aaaaaaanta annacnttgt gcctgaaatg aancttgttt ttttntna                    348

        <210> 461
        <211> 378
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(378)
        <223> n = A,T,C or G

        <400> 461
ccactaagan agaacggaat ctagtagaag tgcaccaatg cttcagtccc tcctactcag        60
catggtgagc agtggtcaat ctgtgccctg tggaatgatg ggcagataat tctggcatgt       120
gtaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt       180
gtgtacacag tgcctacatg tgttacagcc ccacagtagg aatctacacc aaaatattta       240
ttagaaggaa tttggtccgt actacatcac gctttcggga gggtaaaaaa taaagtccat       300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta       360
taacaaaagn ggatggct                                                     378

        <210> 462
        <211> 197
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
```

<222> (1)...(197)
<223> n = A,T,C or G

<400> 462
gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
[illegible] [illegible] attacttcat attgctcagg tttanaacac tntcccctgn 120
aagttctcac acagatnggn agaaatcata cctanttntg gtnaatcact atggcagccg 180
tngaagaatn taagaga 197

<210> 463
<211> 279
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 463
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
tgcacatata catgttcaca gcatgtatac aatgataatc cctacggttt aaccaagtta 120
tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
ttctgnactt tggaaatgca tnnaggnaac aatatcttg 279

<210> 464
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 464
gatgggttga taggtgcagc aaaccaccct ggcgcatgtt taccaatgta acaaacctgc 60
acatcctgca caggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
aattaaaccc aaaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatatat 240
tgcatgagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300
tgggagagcc ctcaatgatc ccggctgtct tgtattcgcg ttgcacttac ttgtataata 360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
cagagggttt tctttctcgt ctanctctct tttgggtagn ttcattctga gagaaagcca 480
nacctcngcc gcnacccacg ctaaggggcg anttccagcn cactggcggc cngttactag 540
tggatccgng ct 552

<210> 465
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```
        <222> [1]...[444]
        <223> n = A,T,C or G

        <400> 465
ccactcttgg tagaaccctt gacactttca ccttgctggg ctttagcaaa gtttcctttt        60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca       120
tagngaccct ctgaatcacc tgagtgactg gctcggcaat tcgctttata accattctta       180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat       240
ttacccaaac tctagttcaa catatactca acttgcactg tctatctccc tgcttttttg       300
agacagagaa gaaattcagg aggtgnccca tctccagagt ttctctgttg gaaagcagcn       360
atcaagaanc ctttaaacaa ttggtgtnaa gctntgccnc ctgcagaaat gcntngcccc       420
acattattct tctgggnaaa agna                                              444

        <210> 466
        <211> 381
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(381)
        <223> n = A,T,C or G

        <400> 466
cctactatgg gtgttaattt tttactctct ctacnaggtt ttttcctagt gtccaaagag        60
ctgttcctct ttggactaac agttaaattt acaaggggat ttagagggtt ctgtgggcaa       120
atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtaggtt       180
tgtcgcctct acctataaat cttcccacta ttttgctaca tagacgggtg tgctctttta       240
gctgttctta ggtagctcgt ctggcttcgg gggtcttagc tttggctctc cttgcaaagt       300
tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt       360
ggttataatt tttcatcttt c                                                 381

        <210> 467
        <211> 95
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(95)
        <223> n = A,T,C or G

        <400> 467
cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag        60
gagctgaanc caangancgc caataataat acttt                                   95

        <210> 468
        <211> 224
        <212> DNA
        <213> Homo sapien

        <400> 468
cagtgggtct ctgctgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga        60
aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac       120
agaaaatcat ttgaacaact ggtaaacctt cagaaaaccc ttttggagaa agccagtcaa       180
```

gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg 224

<210> 469
<211> 416
<212> DNA
<213> Homo sapien

<400> 469
ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa 60
tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagaccca 120
aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagacc 180
cattctacat agtatttaac attagagaag acaaattaca cagggactga aataaaatga 240
aacatctact ctcccgacaa atgttgaata tacctaatca acccaagttc agtttatttt 300
tgcacattgc tttagagata taacttggct gggcacagtg gctcacacct gtaatcccaa 360
cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg 416

<210> 470
<211> 376
<212> DNA
<213> Homo sapien

<400> 470
caccttttaa ctgtatcaca aagtctgttg ctgtggttac agcctttgtt tccagtgatg 60
ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag 120
tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180
actaggcctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaa tctttgattt 240
tttttccttt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300
attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt 360
aagcataata aaaatc 376

<210> 471
<211> 357
<212> DNA
<213> Homo sapien

<400> 471
ggcttcgtat aatggttctt ttgtcacccc tgatcgacga tttcgctacc cgtacaactc 60
tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa 120
caactccacc ggatagtgga gtactgtttg cagggttagg catttcaaca agacctagag 180
atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaact acggcagatg 240
aaagatcttt gcgggaaatt caagaacaag atattattaa ttttagacga actctttacc 300
gtgctggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag 357

<210> 472
<211> 557
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 472
cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatgc 60

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agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa      120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc      180
tcatccccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc      240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc      300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa      360
ggaagttggc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta      420
aacaagantt cctgcaatga aaaagaaatt ttttcctcca ttatctataa actatacaaa      480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata      540
ccaattggta tgtccag                                                     557

      <210> 473
      <211> 264
      <212> DNA
      <213> Homo sapien

      <400> 473
cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa       60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag      120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ctcttcaaaa      180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag      240
aaaattgaaa aagaagcagc tcag                                             264

      <210> 474
      <211> 165
      <212> DNA
      <213> Homo sapien

      <400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc       60
ctttacatca tacttggaca tatcaagcat tggtgcacga tgtactggat ttccatttaa      120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag                      165

      <210> 475
      <211> 417
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(417)
      <223> n = A,T,C or G

      <400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac       60
agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa      120
aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa      180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg      240
tgttgccgct tcattaagtg gttcaaaatc cagatctatc attgcgcaat attcaccgta      300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt      360
ctttatatgn gnatatactg aatttttatt atttttaaaa ttttatttat tttttta         417

      <210> 476
      <211> 321
      <212> DNA
      <213> Homo sapien
```

```
      <220>
      <221> misc_feature
      <222> (1)...(321)
      <223> n = A,T,C or G

      <400> 476
catttaataa caaaaacaac ctgtacggaa aacccnaagg caaccacata gcatatgtaa      60
aatgtgcaaa tacactttaa aatgcangtt attctatagc anttgcaaga tagaatttca     120
ctgtaattag ggaatctagc tcatcctaac ttaatagnct tttgcatgtn tagacaatgc     180
aattctacaa ggnacnactc agcgttgatg ctaaagtatg aaacacatcc tcagattatt     240
catccgaaaa tattaaaata gcntcatgtt ttattattct ttaatgagtc ntgagctcac     300
ttctaaagct tcataaagca t                                               321

      <210> 477
      <211> 546
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(546)
      <223> n = A,T,C or G

      <400> 477
gctgtggtta tattgtaaat gaagcatcta acatatgcac aacttgcaac aaaaactcct      60
tggactttaa atctgtcttt ctcagtttcc atgtgctgat tgatctgact gatcacacag     120
gcacccttca ttcctgtagt ctcacaggaa gtgttgctga ggagactttg ggctgcacgg     180
tacatgagtt tcttgcaatg acaaatgaac agaaaacagc attaaagtgg caattcctct     240
tggaagaaag caaaatttat ttaaaattcg ttctatcaca cagagcaagg agtggattga     300
aaattagtgt actctcgtgc aagcttgcag atcctactga ggcaagcaga aacttgtctg     360
gacaaagaca tgtttaaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta     420
actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca     480
tgtggtgaac atgtttctag aaattggtat ggcgggaagg gggctgggtg agtctgaagg     540
acctcn                                                                546

      <210> 478
      <211> 100
      <212> DNA
      <213> Homo sapien

      <400> 478
aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat      60
gttgactttg attttgctgg acctgcaatc catggttcag                           100

      <210> 479
      <211> 508
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(508)
      <223> n = A,T,C or G
```

<400> 479
gnnttccaaa ttcttctaac tcttccaaaa gccttctgcc ttagtttttt ttaaattaca 60
ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag 120
tattcttcta aattggtcct ggtctacgta aacaccctca tcttctcaag ctttaccttc 180
taacttctgc accaccagaa attaaattca tgggctttta aaataaattg gttaccaata 240
atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc 300
tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360
tatcttctaa tttccctatc ttctctattc ttttcttcgc cttcccgtac ttctgcttcc 420
agnttttcac ttcaaacttc tatctttctc aaattgttca tcctaccact cccaataatc 480
tttccatttt cgtgtagcac ctggncag 508

<210> 480
<211> 81
<212> DNA
<213> Homo sapien

<400> 480
ggtgcccttt tcctaacact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60
ggaatagata aggaaaatga c 81

<210> 481
<211> 306
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G

<400> 481
tcgccttcgg ccgccgggca ggttaggggn acaagacgct acttccccta tcatagaaga 60
gcttatcacc tttcatgatc acgccctcat agtcattttc cttatctgct tcctagtcct 120
gtatgccctt ttcctaacac tcacaacaaa actaactaac actaacatct cagacgctca 180
gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtcctca tcgccctccc 240
atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaatc 300
aattgg 306

<210> 482
<211> 582
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 482
ggggggaacc gtcattatac atttatttaga ctcattcctt cttccagtgc ccttatgatt 60
atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc 120
cttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttccccaa aagtacaagt 300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360

tttcaagang gagaaatctg ctttcataat agnaggaatc tatgcttaaa ctnaacattt 420
aatggtgacn tcttacaaca gccttgaaaa nnattggaan tcngacntga nggnggaaac 480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca 540
cacgctgagg aaangttngg tnacnaccng aacatttaga ta 582

<210> 483
<211> 275
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 483
gcctcactaa aataacagct ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta 120
tcagtcataa cacaatttcg cctacacctc tgctcattat ggaattacac ttaaaacgaa 180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
agattgccag ngttactgat ggaaagaagc gcttg 275

<210> 484
<211> 434
<212> DNA
<213> Homo sapien

<400> 484
catatttcca caggccaatt tctttctgtt tttctgctaa gctatttcag cattttagct 60
tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
atcctcacaa attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
accaaatctt gaataaactc ccattcacaa ttgctacaaa gggaataaaa tagctgggaa 300
tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
aataagagag gataacaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
tatcgtgaaa atgg 434

<210> 485
<211> 291
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

<400> 485
ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120
acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag 180
aaaggagtac ctggcatgcg tacctgctta gtttgactga atccttgatt tttaatttgg 240
cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g 291

<210> 486

<211> 274
<212> DNA
<213> Homo sapien

<400> 486
ctgtaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
gcacgctcag agacagtgaa ctagcatttg aatacacaag tccaagtcta ctgtgttgct 120
aggggtgcag aacccgtttc tttgtatgag agaggtcaaa gggttggttt cctgggagaa 180
attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt 240
ctgtaactag ttgctctcat tttaatttca ctgg 274

<210> 487
<211> 184
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 487
tggcaccaag attctcagct cacggtacca gcatctgatt gtcggactac ctgctgcttt 60
ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc 120
tagagaagga gngaagnttt taaaaaaata aaaaaatact tatttcaagc tttagctgtg 180
ttct 184

<210> 488
<211> 393
<212> DNA
<213> Homo sapien

<400> 488
ctgcattttt attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg 60
acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga 120
tttcccacca ggagatactc tggtcttact gcacagtctt ttaagagaaa tacttccatt 180
atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc 240
tctgaactac ttgacctact ttagtatgtc cagcctattg ctttttgttt tagtgtgtca 300
ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa 360
gcttgtggta taaaacaata gttcaagatc cag 393

<210> 489
<211> 607
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

<400> 489
gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat 60
gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catggtgtat 120
atatgccaca ttttcttaat ccagtctatc atcgatggat atttgggttg gttccaagtc 180

```
tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat     240
gatttataat cctttgggta tatacccagn aatgggatag ctgggtcaaa tggtattttct    300
agttctagat ccttgtggaa ttgccacact gtcttccaca atggttgaac tagtttacag     360
tcccacccaac agtgtaaaag tggtcctatt tctccacatc atctccagca cctgttggtt   420
cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg     480
[illegible] [illegible] cagtgatgat gaacnttttt tcatgtggtt tttggctgca   540
taaatggcct gcctttnta ctttctataaa atttttcann tcttattatt attcctgggg    600
gnttaag                                                               607

      <210> 490
      <211> 179
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A,T,C or G

      <400> 490
cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga      60
ataatactat cactgntcat tatagctact ccctaaccc tnaacaccca ctccctctta     120
gccaatattg ngcctattgc catactagtc tttgccgcct gcgaagcanc ggtaggacc     179

      <210> 491
      <211> 399
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(399)
      <223> n = A,T,C or G

      <400> 491
cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg      60
tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt     120
tctcttttta gcatatagcc atcttgatat ttaggnggga gactactcca atgggagcaac   180
agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaactcat aagaattcta     240
aataatttga aaatggaaac atttgaccca cagtctagca gcataaatac atttataaaa     300
tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt     360
ggagggggcc ngtgaggaag gtataaaaga gaaatcttt                            399

      <210> 492
      <211> 482
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(482)
      <223> n = A,T,C or G

      <400> 492
ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tatagggat      60
```

agaaattgac acctggcgca atagatatag taccgcaagg gaaagatgaa aaattattac 120
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat 180
aactttgcac ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa 360
tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca 420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
gg 482

<210> 493
<211> 207
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 493
cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg 207

<210> 494
<211> 283
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

<400> 494
ccaattgatt tgatggtaag ggagggatcg ttgccctngt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtccgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg 240
atgagctctt ctatgatagg ggaagtagcg tcttgtagac cta 283

<210> 495
<211> 590
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(590)
<223> n = A,T,C or G

<400> 495
tatgtatata attttcttag ttactagcat agagaaatta ctgatttaaa aaaacatttc 60
aaattctagc atgttgtagg attctattgc cctttctaaa aagtacatct tgcttatccg 120

atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa 180
tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gttaattggg 240
tagaatggtc aacactttct tcaggttagt tcatggagtg gatatgcatt gatagaacaa 300
cttagagatg cttttacagt tgagaaagct cattatattt gttatcttta agaatcagct 360
tatttatttc atatgtttgt tctttaagaa gacaaagag cctgcaaat gaatgttgat 420
[illegible] [illegible] tatttttgta gagataagat ctcactttgt tatgttgccc 480
aggctggtct caaactctca acttgaagtg atctgcccac ctcagcctcc caaagtggtg 540
ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg 590

<210> 496
<211> 307
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 496
ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc 60
gctggcttgc catgattgtg agggtaggg gccgggtagt tagtattagg agggggnng 120
ttagggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttggnta 180
aaaacanta gggggatgat nctaataatt antgctgtgg gtggttgtgn tgatttaaat 240
tatgngcttt ttcggagann catgtcangt ggtagtaaat ataattgttg ggaccattan 300
ttcttan 307

<210> 497
<211> 216
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 497
cattttcctc ttgctttctt cagttaagtc aaanngncac gttcctcttt ccccatatat 60
tcatatattt ttgctcgtta gtgtatttct tgagctgttt tcatgttgtt tatttcctgt 120
ctgngaaatg gtgttttttt ttgttgttgn tggttttttt tttttttttt aaactnggna 180
cncncaantt gaaaaatgn ttnttttccc ctnaca 216

<210> 498
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 498
gaatttcctg gcacctttc tcgctagaga agattcngtg tgactgggtt gcctataagc 60

```
catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct       120
aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca       180
atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana       240
tntcctaagg ctntcatttt atgaggatga ttataaacnt ttntgngata aatatcacca       300
taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttananat       360
ttattttttt gccaa                                                        375

      <210> 499
      <211> 215
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(215)
      <223> n = A,T,C or G

      <400> 499
ccacnaaagc agaagcttaa agcatagtag taaagaggnn aaaaagaagg acgaaaataa        60
atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag       120
ttcactcatg gaaagaaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgtc       180
acaaaaaaaa aaaaaaaaaa aaaaaaaaat gtttt                                  215

      <210> 500
      <211> 489
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(489)
      <223> n = A,T,C or G

      <400> 500
nnactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac        60
tctccttata atagccactt cattttccta gtccatccct catgaaaaat gactgaccac       120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc       180
agccttgggg aaccccctac acttgagcca caattgcttt tgaagtgcat ttacaaggnt       240
tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga       300
tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc       360
tcatgcaaca gctttctcaa ttatacctta gaaatgttct cctttttatc atcaaatctg       420
ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta       480
ccatgctta                                                               489

      <210> 501
      <211> 286
      <212> DNA
      <213> Homo sapien

      <400> 501
aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt        60
aatatactgc tagctctgaa gaatcggagg ctaaatcaat ctcttcaagt ccccagggaa       120
tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct       180
gttgcaagcc tcacctggta cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc       240
tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg                      286
```

```
<210> 502
<211> 168
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 502
cctatgattg tgggggcaat gaatgaagcg aacagagctt cgttcatttc ggttctcaga      60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt     120
ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatggggg                 168

<210> 503
<211> 173
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 503
cctttataat aaattaggca aaaggctcag tgcnnggcta tantggacaa catgaaactc      60
cataaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga     120
attcaaagaa attccaacca cgcttatttt tcccaattct actgaaatga gag            173

<210> 504
<211> 310
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = A,T,C or G

<400> 504
tagtatttta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt      60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct     120
taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat     180
agatttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat     240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt     300
tcccattaaa                                                            310

<210> 505
<211> 530
<212> DNA
<213> Homo sapien

<220>
```

```
        <221> misc_feature
        <222> (1)...(530)
        <223> n = A,T,C or G

        <400> 505
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag         60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc        120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac        180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg        240
ggatacagat ttaaaccata tcagaatggt taatgatatt gttgtatttt accaactata        300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttgtt ttctatatta        360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa        420
ctctgctgtt ttggtcactg gtgcctagaa tttggggatg tacattggtt ttgattcaca        480
tgcacatttc ctcctagttc acagtaacta tttctaacta tttcccnata                   530

        <210> 506
        <211> 352
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(352)
        <223> n = A,T,C or G

        <400> 506
cttgaacgct ttcttaattg gtggctgctt ttagccggta ctatgggtgn taaatttttt         60
actctcttca caaggttttt tcctagtgtc caaagagctg ttcctctttg gactaacagt        120
taaatttaca aggggattta gagggttctg tgggccaatt taaagttgaa ctaaaattct        180
atcttggaca accagctatc accaggctcg gtaggtttgt cgcctctacc tataaatctt        240
cccactattt tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg        300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt                352

        <210> 507
        <211> 370
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(370)
        <223> n = A,T,C or G

        <400> 507
cctaactaga tcttatcaga atagggggga agggngtcgg ttcatcctta ttgagtgtta         60
atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag        120
ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa        180
cagggntatt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaaaccat        240
cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc        300
atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag        360
aaattactgg                                                               370

        <210> 508
        <211> 129
        <212> DNA
```

```
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(129)
        <223> n = A,T,C or G

        <400> 508
ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc        60
actttgggag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac       120
tgtacttgc                                                               129

        <210> 509
        <211> 422
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(422)
        <223> n = A,T,C or G

        <400> 509
ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctggtgttt gngttctccg        60
cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta       120
gtgggagaat caaaaatcct ttccagaatg tctgtttctc actacntgca ccgggngatt       180
acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt       240
nttgttcctg anaanggtgg gtaaatattc caggaaaaan aatgcacatt gaatggatgt       300
gagagaccac attgcctctc ccactgcttt ggggagcact ttcctgtcat ttctaactta       360
ccacntgctt ggtgtactat atgtatgttg tgcctcatat gttgcaaaga actaangtga       420
gt                                                                      422

        <210> 510
        <211> 238
        <212> DNA
        <213> Homo sapien

        <400> 510
ccacctatga attggtggtc tacctactca atggatagca gcacgaggac tgctgtactg        60
cacaaaaaga agaccaaacg attacagtgg accatgggat acagaagcca gcatggcaga       120
cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgtaggaat       180
tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc         238

        <210> 511
        <211> 254
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(254)
        <223> n = A,T,C or G

        <400> 511
ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg        60
```

```
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc      120
tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag      180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaggg      240
tgataagctc ttct                                                        254

      <210> 512
      <211> 269
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(269)
      <223> n = A,T,C or G

      <400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaana aaatccacaa       60
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact      120
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc      180
ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact      240
gcactttaaa aagtaacatc ttggcctaa                                        269

      <210> 513
      <211> 266
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(266)
      <223> n = A,T,C or G

      <400> 513
ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttgttgt       60
tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttgtgt      120
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga      180
cgattagttt tagcattgga gtaggtttag gttatgnacc gtactctagg ccatatgtgt      240
tgganattga nactagtagg gctagg                                           266

      <210> 514
      <211> 271
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(271)
      <223> n = A,T,C or G

      <400> 514
acatgcaana aatcgagaat cttaaaaaac anaacgaanc tgccctggaa nncttactgg       60
nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcnga antagacaan      120
aangggnant tntatactgc nncagagggt acacagntca ttgtattaga gangaacana      180
tgggtctggt gttcacacat tggggggaan atgggcgtnn acangagagg nnganaaacn      240
angaaagcct ncctggttng cataanaaaa a                                     271
```

```
<210> 515
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 515
ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa      60
aatntaagtt cacagtgaca gtttaaacaa aatccaaaca aactaacaac anaaacaccc     120
cttgntttgc ctctagtgga aggtgggana acacaanctc gtcctaaaaa ttgactagta     180
aaggggaaca cccgctcatt tncctactct ttccangaaa tatctaatgc aagaaagaac     240
ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga     300
aatcctggaa cctgggcaag ttcaccac                                        328

<210> 516
<211> 220
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(220)
<223> n = A,T,C or G

<400> 516
ncctnagttg aaggaccccа tgtacataca ggccagggga gcagtactag gntaactaga      60
aggatctcat ccccatatgt gggctcattt caagtctatg gatgactacc ttcattgntg     120
tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct     180
ttataatgat caatncatcc taccttcttt tacatgcatg                           220

<210> 517
<211> 296
<212> DNA
<213> Homo sapien

<400> 517
tgcgatttct tccttgttgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc      60
atttatttgg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc     120
aggagaaact gctgggcttc ctgtggcttt gttttcttag tttctttttc cgtgccgtgt     180
atttttcaat tgatttttct tcttttactt gaaaagaaag tgttttattt tcaaatctgg     240
tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccactg         296

<210> 518
<211> 299
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(299)
```

```
      <223> n = A,T,C or G

      <400> 518
gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat      60
tattggtaac caatttattt taaaagcccg tcaatttaat ttctggtggt gcagaagtta     120
gaaggtaaag cttgagaaga tgagggtgtt tacgtagacc agaaccaatt tagaagaata     180
cttgaagcta gaaggggaag ttggttaaaa atcacatcaa aaagctacta aaaggactgg     240
tgtaatttac aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg      299

      <210> 519
      <211> 464
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(464)
      <223> n = A,T,C or G

      <400> 519
gctgcacatc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg      60
atttttgaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa     120
ttcagcagga acgtcaacaa taccaaaagg ctttggatat gttattgtcg gcaccaaagg     180
atgagaacga gatatttcct tcaccaactg aatttttcat gcctatttat aaatcaaagc     240
attcagaagg ggttataatt caacaggtga atgatgaaac aaatcttgaa acttcaactt     300
tggatgaaaa tcatccagat atttcataca gtttaacaga tcgggaaact tctgtgaatg     360
tcattgaagg tgatagtgac cctgaaaagg ttgagatttc aaatggatta tgtggtctta     420
acacatcaac ctcccaatct gttcagttct ccagngtcaa aggc                      464

      <210> 520
      <211> 221
      <212> DNA
      <213> Homo sapien

      <400> 520
ctgatatcta cttatttaac acaagtctct aatacaatac aattttatta attttattcc      60
acatgcccca cattagatct ctagactcat tcatcctaca tacctacttt gtatcctttg     120
acctacatct ccctacttcc tcctccagtc cccacccccc acccactggt gctaacccct     180
gtttcattcc ctttttcatt ctacatatgt gagatcatgc t                         221

      <210> 521
      <211> 312
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(312)
      <223> n = A,T,C or G

      <400> 521
ctgatagctt tctcttcgcc tagattaata tcttctnnct tcccattcac agcccccacc      60
gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaat     120
aaaagtgctg agtaaggaca ttttcacaac aaatttttat tttacaaaac ttacaatgat     180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatatattt tattaggngt     240
```

```
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg      300
aggggggaag ga                                                          312

       <210> 522
       <211> 336
       <212> DNA
       <213> Homo sapien

       <400> 522
ccttctttcc ccactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta       60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga      120
ctatgatatc aatgaatgtg ggttaagtaa tagatttcca gctaaattgg tctaaaaaag      180
aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt      240
ctgatccagg gagatcaccc ctctaattat ttctgaactt ggttaataaa agtttataag      300
atttttatga agcagccact gtatgatatt tttaag                                336

       <210> 523
       <211> 172
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(172)
       <223> n = A,T,C or G

       <400> 523
ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn       60
nacannattc ttgctctcac atnccacngg anacgtattt ctctttctct acnagcgaag      120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt              172

       <210> 524
       <211> 471
       <212> DNA
       <213> Homo sapien

       <400> 524
ccagacctcc aggaaaactt agcacagctc aatctgctgt tttgatggct acagggttta       60
tttggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt      120
tctttgtggg gggagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac      180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac      240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt      300
tagaaggcac tgtaactggt agctagttct tgattcaata agaaaaatgc agcaaacttt      360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc      420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c               471

       <210> 525
       <211> 332
       <212> DNA
       <213> Homo sapien

       <220>
       <221> misc_feature
       <222> (1)...(332)
       <223> n = A,T,C or G
```

```
<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn      60
gggtaaaggt tggtcttcaa gtggcctcat aagttgtctt gcatttaaat tcagggaatt     120
cattggacca ataggttaca ttttcgttcc tttttgtttt tggttcatct gttaagcagt     180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg     240
ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaaaa gggcttaaca     300
atttaggcgg atagtttact taaaaaaaaa aa                                   332

<210> 526
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

<400> 526
ccaggttacc tcccctaaca gatgtggtgt tctgangggt tggttaagtg cccgaggaaa      60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa     120
gaagggattg ggtaaaagaa aatgggagag aaaagggaaa aaagttttgg caagacaatt     180
gttccctact aagaagctgc agggtgaaag ctttcctttc ttctattttt gtttttaatg     240
nctgtctctc tgatcagngg aaaagtgaaa atttctagta tctagcacta acgtatgacc     300
caactttgag ggatcacaag ctagaacaag ttgaggattt aaaatcctgg ataattatat     360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcaggtgg     420
catggcatgg gaatacatct                                                 440

<210> 527
<211> 124
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(124)
<223> n = A,T,C or G

<400> 527
tttccatatg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct      60
ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa     120
ccta                                                                  124

<210> 528
<211> 162
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 528
```

```
ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat      60
gaagaacttt tcagttactc ctgccccaag ttcctgtcgc ctgtagtgcc caactatgat     120
aatgtgcacc ccaactacca caaagagccc ttcctgcagc ag                        162

        <210> 529
        <211> 409
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(409)
        <223> n = A,T,C or G

        <400> 529
cctttaaaat atagcttata aaatgtatac tatcngccag gagagctcac atttttctgc      60
agtttttcag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta     120
gcaattgaat cagtgctttt aaataaaaga agtggagagg ggcttggtta aattattctg     180
acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa     240
atttggcttt aagaaaaagc tatattctgn gtctataggg tgaagcccac actatctgtg     300
ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgcca atgggtgcac     360
aaatctaaaa cattttatcc caaaaggtac ttgaatttaa atttcttt                  409

        <210> 530
        <211> 325
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(325)
        <223> n = A,T,C or G

        <400> 530
ccgccagtgt gatggatatc tgcagaattc gccctttcna gatttgngcc cgggcaggtc      60
catggctagg attatagata gttgggtggt tggggnaaat gagtgaggca ggagtccgag     120
gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc     180
tttagtgttg tgtgtggcta tcatttgttt tgaggttagt ttgattagtc atggttgggt     240
ggtaattagt cggntgttga tganatattt ggaggtgggg atcaatagag ggggaaatgg     300
aatgatcagt actgcggcgg gtagg                                           325

        <210> 531
        <211> 173
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(173)
        <223> n = A,T,C or G

        <400> 531
ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactgggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag            173
```

```
<210> 532
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 532
caggtcctac tatgggtgtt aaatttttta ctctctctac ngggtttttt cctagtgtcc       60
aaagagctgt ccctctttgg actaacagtt aaatttacaa ggggatttag agggttctgt      120
gggcaaattt aaagttgaac taagatttta tcttggacaa ccagctatca ccaggctcgg      180
taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct      240
cttttagctg ttcttaggta gctcgtctgg tttcgggggt cttagctttg gctctccttg      300
caaagttatt tctagttaat tcattatgca naaggtatag gggntagtcc ttgctatatt      360
atgcttgcnt ataatctttc atctttccct tgcgg                                 395

<210> 533
<211> 290
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

<400> 533
ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcactgattg       60
aacataagct tccagggctc ccctgaaaac caaaatgaaa acaatgtcaa aatattagat      120
aaatcacata aaacagttaa ggggataccа atatataaaa attattaggt aagctcattt      180
ctggaactgt taatgctcgg tttcacaatc caagnngacc aacagccttc actcagntac      240
tggnagtgnt actatggtta ctacngntac taccttttagt gtnaaaaact                 290

<210> 534
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

<400> 534
ccgccagtgt gatggatatc tgcagaattc gcccttagcg agnnagccgg gcaggtccat       60
ggctaggttt atagatagtt gggtggttgg tggggnatga gtgaggcagg agtccgagga      120
ggttantttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct      180
ttagtgttgc ctatggctat catttgtttt gagggtagnt tgattagnca ttgttgggng      240
gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana      300
atgatcagtn ctgcggcngg tnngacctcn gccc                                  334
```

<210> 535
<211> 557
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 535
```
nccataagct tcagtgcgca aaaggtcaag gccagtgtta atttgttatt tcttaaataa      60
ctttcccttt catttttaaa ttataaattt aacttctaac atgttttatg gttaaaattg     120
tacttttttc ctttagcgac attcaaatgc atcacaatca ctttgtgaaa ttgttcgcct     180
gagcagagac cagatgttac aaacccagaa cagtacagag cccgaccccc tgcctgccac     240
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat     300
gtgttaccat tgtgagtggt tggtaagtgt tccttatgtg ggaatcatgt gccttgaaaa     360
taaccttggc tgggtgagaa ggtaggaaaa cctgcttctt ttatctcaag taaaagtttt     420
ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg     480
gtaaaaatgg gaaattctgt agaagccctt ccttaaaaat gggggaagtc catttnanaa     540
aattaactgg taggtca                                                    557
```

<210> 536
<211> 372
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(372)
<223> n = A,T,C or G

<400> 536
```
gttccaacct tcatttctga aactgttcta gagcacnctg tctttctcgt agttcataac      60
ttacccctta agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta     120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga     180
ctcatatcta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt     240
ttcattccca aggaaggcca tgtctggagg tagaccttga atttaataaa ttttaggcac     300
tataccattt cagtggagaa aattgttggg aaattcgggg ggatggatat ataaggggga     360
ggaagtcact gg                                                         372
```

<210> 537
<211> 284
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

<400> 537
```
ccttctgatg caaacagaaa ggaaatgttg tttgganggc ttgctagacc tggacatcct      60
atgggaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat     120
attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg     180
```

```
actttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc      240
ttctctcaga taccaaacaa tgggttaccc agaccaaact ttgg                       284

      <210> 538
      <211> 293
      <212> DNA
      <213> Homo sapien

      <400> 538
gtacatagta ggtgtatata tttatgggct atataagatg ttttgatcca ggcatgtaat       60
gtgaaacaag cacatcaaca agaatggggt atccatcccc taaaacattt gtcctttggg      120
ctacatgtca tttcctaatg taaagaaaat ggacagacag aaccaacatt gatttgactg      180
ggtgaaaaac tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttgttagg      240
acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag             293

      <210> 539
      <211> 468
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(468)
      <223> n = A,T,C or G

      <400> 539
tttcnataaa ctttattttt agagcagttt taagcnggta gcaaaattga ttagaaggna       60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag      120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa      180
agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag      240
gaataaacta ncaatttcct ctcggctttc tataaattta attattattt cagaaattag      300
cctatcttta cagggaaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag      360
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttgttg      420
gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc                   468

      <210> 540
      <211> 397
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(397)
      <223> n = A,T,C or G

      <400> 540
ctgttttatt aattccccca tttgcagcac acttntctct tccaacattc atcagtcaga       60
tcagagtcca cggtcttttc aaaatttaga taaactggct tacattttgt aatgatgtcc      120
ccagacaaca ccccactcca acccattctg tttgttacta ttagtttaca acatgcatgt      180
gcctttactt tcattttcat agtatttaaa aatggaaggg cactcccaaa tttactttaa      240
cccctttaat aatctctctc ctcctgctct ctctggtcct ccagacaact gttgatttac      300
tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn      360
ttttatgttt ctcccctttg ggtttcttca tgtggca                               397

      <210> 541
```

```
      <211> 248
      <212> DNA
      <213> Homo sapien

      <400> 541
[illegible] atcggagtat gttggagaaa        60
taaaatgtgc atagtggggg ttttatttta agtttgttgg ttaggtagtt gaggtctagg       120
gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttaggtg gaggggggatt      180
gttgtttgga agggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg       240
cttccggc                                                                248

      <210> 542
      <211> 366
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(366)
      <223> n = A,T,C or G

      <400> 542
aatcggccct ctagatgcat gctcgagcgg ccgccagtgt gatggatatc tgcagaattc        60
gcccttgagc gatancgcgg gcaggtccaa ttgatttgat ggtaagggag ggatcgttga       120
ccncgtctgt tatgtaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg       180
cgggcaggat agttcagacg gtttctattt cctgagcgtc tgagatgtta gtattagtta       240
gttttgttgt gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga       300
ctatgagggc gtaatcatga aaggtgataa gctcttctac gataggggaa gtagcgtctt       360
gtanac                                                                  366

      <210> 543
      <211> 460
      <212> DNA
      <213> Homo sapien

      <400> 543
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaagc        60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca       120
aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtaggt       180
ttgtcgcctc tacctataaa tcttcccact atttgcctac atagacgggt gtgctctttt       240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag       300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct       360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt       420
ctatcgccta tactttattt gggtaaatgg tttggctaag                             460

      <210> 544
      <211> 116
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(116)
      <223> n = A,T,C or G
```

<400> 544
ccgccagtgt gatggatatc tgcagaattc gccctttgga gngctngcgc ccgggcaggt 60
ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg 116

<210> 545
<211> 380
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg 60
gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt 120
gcnatgaacg aaaggtctcg agctccagat aaagagaaat acagagttct tggaattgga 180
gttgcagaaa cagtaagaca atcgattgcg gggaagcgtt cttttagaga atctttggcc 240
ttcactccaa agcgttgttc ttcatcaata ataagtagct cgtgccgaat tcctccagcc 300
cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttgttccc 360
tttagtgagg gttaatttcg 380

<210> 546
<211> 418
<212> DNA
<213> Homo sapien

<400> 546
ccagggcaat taggcaggag aaggaaataa agggtattca attaggaaaa gaggaagtca 60
aattgtccct gtttgcggat gacatgattg tatatctaga aaaccccatt gtctcagccc 120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac 180
aaaaatcaca agcattccta tacaccaata acagaccaac agagagccaa attatgagtg 240
aactcccatt cacaattgct tcaagaaata aaatacctgg gaatccaact tacaagggat 300
gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggataca 360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg 418

<210> 547
<211> 172
<212> DNA
<213> Homo sapien

<400> 547
cctgaggttg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccagagagta 60
tttggatgtt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtttatagc 120
acccgtctct ccatttgaga aaaatggtta ggatgctggt gcagggatga gg 172

<210> 548
<211> 367
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(367)

```
<223> n = A,T,C or G

<400> 548
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat      60
gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattattt ttcaaaaatg     120
[illegible] agaaacatta actgaagttg ttgctggcag     180
acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag     240
aagacagtca cttgaatcca cattttaaaa aaagcactga tatacgtaat attgacatta     300
taaaagacag taaaaatgca tttctttctt ataataaatn gcttattaaa taacatgtgt     360
ataatgg                                                               367

<210> 549
<211> 418
<212> DNA
<213> Homo sapien

<400> 549
ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttgaagat      60
cacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta     120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat     180
aatgtaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttttctt     240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttaggtt     300
acttgttaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tattctctag     360
tctctataat ctttcaatga agataaccag ttacgaatat ctcctatacc atattagg       418

<210> 550
<211> 234
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 550
cctaccccgc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata      60
tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac     120
atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc     180
ctcatcgccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat           234

<210> 551
<211> 542
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

<400> 551
cacccctacc ccnntcctca taaaagttnc tctccctgga tcctcttttt ccctcatgag      60
tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag     120
tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac     180
```

```
atatgcatan ggcactttct tcttcactgc atttttgtgg gctgcactta cctttcaggt     240
aacgacaaca ctggcccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag     300
ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac     360
agaggaggag agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt     420
ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta     480
gcaagtcctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt     540
ca                                                                    542

      <210> 552
      <211> 411
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(411)
      <223> n = A,T,C or G

      <400> 552
cctggatgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg      60
gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga     120
atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga     180
agaagttggc aggattgagc tctcataant catggcaaag agttcccatt tcattgtttg     240
acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga     300
agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag     360
agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g              411

      <210> 553
      <211> 631
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(631)
      <223> n = A,T,C or G

      <400> 553
ccgggattag aactaaaaca agtgagatca cccctctaat tatttctgaa cttggttaat      60
aaaagtttat aagattttta tgacgcagcc actgtatgat attttaagca aatatgttat     120
ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag     180
atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt     240
tctcttttat accttcctca ctggccccct ccacctgccc atagtcacca aattctgttt     300
taaatcaatg acctaagatc aacaatgaag tattttataa atgtatttat gctgctagac     360
tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta     420
aatttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct     480
aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaat     540
tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac ccaattgtct     600
ttagaaaaat taatgtgatt acaggtagag g                                    631

      <210> 554
      <211> 558
      <212> DNA
      <213> Homo sapien
```

```
      <220>
      <221> misc_feature
      <222> (1)...(558)
      <223> n = A,T,C or G

      <400> 554
ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcggcct cccaaagtgc      60
tgggattaca ggcatgagcc actgcgcccg gccaaacttg atatgcattt ttaaataagt     120
taatacatta ttcatggttt agtctcatta tatattctat ggtccacttt gaaatttcat     180
ctaacccaaa tcatcttcat cctgcaattt gaggtttggg cacaatgggg attgatcagt     240
aatttcttca tatgcccttt ctcaaggaaa tagtttccta tgaaaaaaaa gtcctatgtt     300
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt     360
ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag     420
tctgtcaata accgggaata acatttcttt aaggccccag taactttcac atgtttgggt     480
tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcactcctc tagaaactct     540
aaggttgctt cttagggg                                                   558

      <210> 555
      <211> 212
      <212> DNA
      <213> Homo sapien

      <400> 555
ccaggtattt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg ccccagctaa      60
ttgcctgaga gtgccactgt tagttttcaa ctcttctgga tagaaaccct gtgtactaac     120
atgggaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg     180
taactttaag aatatccgag aagccaccaa gg                                   212

      <210> 556
      <211> 219
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(219)
      <223> n = A,T,C or G

      <400> 556
ccatgtgtct atctggacag aaggggaaac agcaagtgca aaggccctga gatggaacat      60
atctggagga ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag     120
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt     180
gtatgtcctt gtaaggcttt tttttttttt tttnancct                            219

      <210> 557
      <211> 483
      <212> DNA
      <213> Homo sapien

      <400> 557
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc taactataaa tcttcccact attttgctac atagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag      300
```

ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ccatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg 480
ag 482

<210> 558
<211> 679
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 558
ctgtnaaaat tctgaaccta tccccaaacg aaaaaccgtg aaatacaagt tttaggaggt 60
ggagcaaaga aaagccaagt tatttaaaac caataaacac aagagacaat tctgctggag 120
aatttacttt ctccaaaacc tcaaatggac tttaaagcag aagaccacat tttatgagaa 180
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaatga 240
taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataacccg atattaaatt 300
atcaattttg ccaaagtgga cctttaaaaa atgtgttact tttaaaaact aacttgaaag 360
aatttatgag gcaatctatc tgagtatgtt tattgttgct ccattggctt tcaggatttt 420
ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa 600
ttaaagatac cccttcaatc acgggtgaca tcagtacaac agtttttcaa cagttttctc 660
tctcctgacc aaacagttt 679

<210> 559
<211> 488
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

<400> 559
ccccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat 60
gggtaaaggt tggccttcaa ctggcctcat aagttgtctt gcatttaaat tcagggaatt 120
cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca 300
atttaggggg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa 360
ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan 420
aaaatgactg gttggctcta tttaaatcan aaccccattt ctacgcacct gcccgcccgg 480
ccaagggc 488

<210> 560
<211> 602
<212> DNA
<213> Homo sapien

```
      <220>
      <221> misc_feature
      <222> (1)...(602)
      <223> n = A,T,C or G

cctanttaag aattccttgc cttagtggtg aacaaggact aaacacagac aatgggtgaa      60
acacagacgc taattcacat aacagagagt aggcaaccct aagaatgaat tgatgcagac     120
tcctatagaa ttcctctgtt atgactgggt tcttattttc tcctcnttgt atgtagttga     180
aatttcatca ttatgaatag ttccttggat ctttttttaa agttgtgaat gcgagtgttt     240
ggctttgtca tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc     300
ttttgataca aagggtttta acttctgcca gttcttactc attttttcca ggttttttat     360
acatttctta aacaacacat acattatgta aaatataaga attaatgtac attctcaagg     420
ccagattcag tgacaaaatg cactacccga atctagtaac acatttactc cttgctgcat     480
ataagtgggg tgtaagaaat acagggtata ttgttttgtg atccatgcag taaatgttca     540
caaatatcag gcaaacaact agacgntctt cagctactaa aattaactgt cccagtcaca     600
aa                                                                    602

      <210> 561
      <211> 683
      <212> DNA
      <213> Homo sapien

      <400> 561
gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatatg      60
cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaaggg     120
cctggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc     180
tttttttaaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct     240
gggcttgatt tttttaaaaa aaacagaatg aattgatgtc ttattttata aatgttctat     300
atttattagg agaaaacttt atattgcctt ttttatcaat catataacag gcttatagct     360
ttccaacaga gctgcttgcc aaacaatttt ttttgtttat taaacagtgc tgaaacaaac     420
aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aacaaagata     480
ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag     540
aatcagtgaa ccgactaccc tttttttggt attcactcta catatgccaa cctagttcac     600
cttggttttg tgtctgctgt agaagggaac cataacttgg ttaaaccgta gggattatca     660
ttgtatacat gctgtgaaca tgt                                             683

      <210> 562
      <211> 420
      <212> DNA
      <213> Homo sapien

      <400> 562
gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata      60
ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa     120
tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa     180
ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcatgattt     240
agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaattttgg     300
aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctggtt gaatggtgtt     360
atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc     420

      <210> 563
      <211> 482
      <212> DNA
      <213> Homo sapien
```

```
<400> 563
ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat      60
agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac     120
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat     180
aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag     240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac     300
aaacctaccg ggcctggtga tagctggttg tccaagatag aatcttagtt caactttaac     360
tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca     420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta     480
gg                                                                    482

<210> 564
<211> 302
<212> DNA
<213> Homo sapien

<400> 564
ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg      60
tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa     120
tgtttgttgt gaaaagaatt cactttgtaa acaactatta aggctggaag tttagtgaag     180
gtgcatagct ttgaaagcta cacaggtgaa aaatcaaact tattgtttgc aattttgctg     240
ttacatgtta agttactttg acagcaattt tctaatgata atgtgattta tgatttcaaa     300
gg                                                                    302

<210> 565
<211> 554
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 565
ccanngtgac atcatggcaa tacagcaaga atttctgnat ttatttagaa gcctcaggga      60
gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata     120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatggttc     160
cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct     240
gctgaaagca aataaaccat ctgaaaggtc ttctggttac ttacacagat ttcctagaga     300
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca     360
aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt     420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac     480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga     540
tctcctagtn natt                                                       554

<210> 566
<211> 631
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(631)
```

<223> n = A,T,C or G

<400> 566
ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata 60
cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120
[illegible] 180
tttcacacac ctaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240
tcttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt 300
ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360
ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga 420
tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480
tgcagattag gggaaaatga ttcataataa attaacttta aaattacctt ctatctgctt 540
ctacctctat ccccccatca ccacccaatc tgttgctaca gtgaactgta gccaatgtct 600
gtttgagggg gcccaaagca tctggtaatc t 631

<210> 567
<211> 510
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 567
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt 120
tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna 180
atactgttta tttgagcaat aatatattgn gctaacgttc aggcatccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac 360
attttggctt tttcctcagt gataccatgt gtgggaagtt gttctctcaa ggtgggtcgg 420
ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca tttgatcctg 480
aagacacaag tcaagaaata ggcatggtgg 510

<210> 568
<211> 180
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(180)
<223> n = A,T,C or G

<400> 568
ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag 60
ttcttctata gggtgataga ttggtccaat tgggtgtgag gagttcagtt atatgtttgg 120
gattttttag gtagtgggtg ttgagcttga acgctttctt aattggtggc tgcttttagg 180

<210> 569
<211> 237
<212> DNA
<213> Homo sapien

```
      <400> 569
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt       60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct      120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg      180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag         237

      <210> 570
      <211> 352
      <212> DNA
      <213> Homo sapien

      <400> 570
ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg tgttttcact       60
ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac      120
tattatttat acaaatgtgg ttaacacctc atcattttaa attggctgtg ctaataatgc      180
tcattgtgct cttcagggtt atgtgtgtgt gcgtgtgtgt gttctgcctg aatctgcaac      240
ctacatttgc tctggcagta tgttgagtat atgctagaat agaatggacc taggcaactc      300
taaggtccta caactaaata cacttactta ggaaacctcc taaataagta gg              352

      <210> 571
      <211> 402
      <212> DNA
      <213> Homo sapien

      <400> 571
ctgattttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca       60
atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat      120
ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt      180
gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt      240
tttaatttat ttattaagat ggattctcag atatttatat ttttatttta tttgtttcta      300
ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc      360
ttattgttcc aagacattgt caataaaagc atttaagttg aa                         402

      <210> 572
      <211> 70
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(70)
      <223> n = A,T,C or G

      <400> 572
tggatccgag ctcggtacca agcttggcgt aatcatggtc atagctgttt cctgtgntcg       60
ttttacaacg                                                              70

      <210> 573
      <211> 423
      <212> DNA
      <213> Homo sapien

      <400> 573
ccaatggttt cttagtgaaa gagtacacta gctctgaatg caatgccctc agaaagatat       60
```

cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg attctgagca 120
tcttcattca tgaccaactt ggctatagat ttcagatgtc ctcctggctc gaaggatatc 180
tgggatatcc atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt 240
gtattgtttc taaaagaaca gaaaataatc ttgggctttt gcttaagctt taatagcgat 300
gttgaaattt acatgtttga atctcaaagc cacccatgtg gaaagaaaac ttatgctctt 360
[illegible] [illegible] tctattttaa actttgtatc ttgctgctgt cttacctggc 420
tgg 423

<210> 574
<211> 129
<212> DNA
<213> Homo sapien

<400> 574
ctgttaaaag accaaactta gcaatatata acagtttgct aacaggcttt ttgactattc 60
actttgcgag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac 120
tgtacttgg 129

<210> 575
<211> 684
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G

<400> 575
ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc 60
aagttcagca tgccgttccc tgtttaattc ataaacacca actggcagaa gtattacttg 120
aagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tatttttcca 180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgcttc 240
actaaaattt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga 300
agggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaatatgat 360
atagtttatt tcaatttttt ttcaactcat acttccttta aaatagcact gaccaaaaga 420
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa 480
ggctaaaatt gttttattta agccactata ccaagacata ttgatttcac caatataaaa 540
attgagatag tttacatttt ttggtacatc tttaaaatct ggtatgtatt tttatactga 600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca 660
attgtaatca aagaggttgg cctg 684

<210> 576
<211> 134
<212> DNA
<213> Homo sapien

<400> 576
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaacctttа 120
atagcggctg cacc 134

<210> 577
<211> 133
<212> DNA

<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 577
```
ctgtctctcc attnagaagc cccantcggt cctnacctct tacaaatttg gtgttttcac        60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa       120
ctattattta tac                                                          133
```

<210> 578
<211> 200
<212> DNA
<213> Homo sapien

<400> 578
```
cctcaaatct atcttcaaag gtgacccagc aatcagtgtc aatgccttta ctgtagttaa        60
cctggtaatt tcattctttc gtctctccaa gaaaatctga agtgtattag gcaagtcaga       120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccctttcctt       180
gacttcctga tcaatgtcag                                                   200
```

<210> 579
<211> 402
<212> DNA
<213> Homo sapien

<400> 579
```
ctgattttaa ccataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca        60
atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat       120
ccatgtactg ttgttttttt tcaacatcaa tgttcattgt aatgttactg atcatgcatt       180
gttgaggtgg tctgaatgtt ctgacattaa cagttttcca tgaaaacgtt ttattgtgtt       240
tttaatttat ttattaagat ggattctcag atattttatt ttttatttta tttgtttcta       300
ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc       360
ttattgttcc aagacattgt caataaaagc atttaagttg aa                          402
```

<210> 580
<211> 245
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 580
```
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt        60
agggatggga gggcgatgan gactaagatg atggcgggca ggatagttca gacngtttct       120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg       180
gcatacagga ctaggaagca gataaagaaa atgactntta gggcgtgatc atnaaanggg       240
ataaa                                                                   245
```

<210> 581

```
<211> 294
<212> DNA
<213> Homo sapien

<400> 561
[illegible] [illegible] aagacgctac ttcccctatc atagaagaac ttatcacctt      60
tcatgatcac gccctcatag tcattttcct tatctgcttc ctagtcctgt atgccctttt     120
cctaacactc acaacaaaac taactaatac taacatctca gacgctcagg aaatagaaac     180
cgtctgaact atcctgcccg ccatcatcct agtcctcatc gccctcccat ccctacgcat     240
cctttacata acagacgagg tcaacgatcc ctcccttacc atcaaatcaa ttgg           294

<210> 582
<211> 230
<212> DNA
<213> Homo sapien

<400> 582
gaggtcgccc tcatagtcat tttccttatc tgcttcctag tcctgtatgc ccttttccta      60
acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc     120
tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct acgcatcctt     180
tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg                230

<210> 583
<211> 481
<212> DNA
<213> Homo sapien

<400> 583
ccaagggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact      60
gtgcctgacc acaggaaaac ttatttaaat gagagatttg actcgaaaga tcccgttttt     120
ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt     180
ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa     240
aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttgtt tctgtaaagt     300
tttattggaa cacaaccaca cctatttgtt catctgtatt gtctttggtt actttgtgca     360
gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc     420
cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca     480
g                                                                     481

<210> 584
<211> 306
<212> DNA
<213> Homo sapien

<400> 584
ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct      60
ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat     120
gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta     180
gctgcccaca cagaatattc atatagaggt gggggcaag aacaaaattt attcatttga     240
tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca     300
tctcag                                                                306

<210> 585
<211> 304
<212> DNA
<213> Homo sapien
```

```
<400> 585
ccagaatggt acagagtgga gggtgttctg ctaatgactt cagagaagta tttaagaaaa      60
acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacggtgt     120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac     180
agccaaatag aatggcccca agtgcagtgt ctgaacttat tctgagcaag gaacaactct     240
atgaaatgtt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg     300
catgtcag                                                              308

<210> 586
<211> 416
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

<400> 586
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctaggaaagc ttatttcccc ttatattttt atggnacttt caacacttna     120
caacactatt tnaattaann tttnttctag agtttatann atatcagtac attcttttct     180
gtggatgcaa taatatagaa tctttatcca aatcttactg gcaggntctn ttaaattctt     240
caacggntgn catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa     360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg         416

<210> 587
<211> 382
<212> DNA
<213> Homo sapien

<400> 587
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggaa tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgttgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct     360
tggttataat ttttcatctt tc                                              382

<210> 588
<211> 307
<212> DNA
<213> Homo sapien

<400> 588
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat      60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg     120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag     180
tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca     240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt     300
ttggagg                                                               307
```

```
      <210> 589
      <211> 89
      <212> DNA
      <213> Homo sapien

      <400> 589
cctgggtgat tgagggtgca atgagctgtg attgtgccac cacactccag cctgggcaat        60
acagcaagac tgtctcaaaa aaaaaaaaa                                          89

      <210> 590
      <211> 456
      <212> DNA
      <213> Homo sapien

      <400> 590
cctcagttct tgattgtggt tgacggggcg tcacccatgaa ggagcccatt tagtataaag      60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg      120
ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg      180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga      240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt      300
tcaatgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatatt      360
aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct tggggtagga      420
aagtacacat gaagcagcaa agtaacgaag aaaaac                                456

      <210> 591
      <211> 289
      <212> DNA
      <213> Homo sapien

      <400> 591
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt       60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct      120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg      180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg      240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg                  289

      <210> 592
      <211> 435
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(435)
      <223> n = A,T,C or G

      <400> 592
cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag       60
ctggggaggg aagctcaggc aggagcctcc ccgacaccac agcggcacaa gcagcagcta      120
aagcaccgca ctttgctctg ctaacctttt acttaaatga ggttttgcca aatccacatc      180
tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcatctctac      240
tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt      300
tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa      360
tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa      420
cgggatttgn gtgtc                                                       435
```

```
<210> 593
<211> 633
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 593
ctgtttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc      60
agcataaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata     120
gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc     180
aatttctttc catcagtgaa tttcattcta cagacttttc agagcatctc ataatcagtc     240
aacaaatcta tttcaaatgt gtttgttact aagcaacggt tgctaagagc ttctgtaatt     300
aagatgaaag ttccaaggta acaatgccca aacacagcac cattttcacc attttctgat     360
aatgcaggag taggatggct aaaagtgaaa gaagaatcta ctctatggaa agcatggcac     420
ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt     480
tactaatcaa ccagtcattt ttttcttgtg tggctgaaat gtacattcca gacatgaaca     540
ggtagagtat gtgttggggg caggtttata ctgcatgggt gtgctgagac agggccacgt     600
ggtgatgtaa atgatgctgn ctgacacgtg cag                                  633

<210> 594
<211> 501
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (2)...(501)
<223> n = A,T,C or G

<400> 594
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaag      60
tgagcatctg cctttaaggg attatccagt ctatactact ctgttctagc cacacaaaac     120
aggttaagac agaaattggt accaagagtg ggtgttact acagcaaata cctgaaaatg     180
tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct     240
agaaaatgtc tctatttca tgaatggagc attaagaata attccggtga ggccataggg     300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtaggtt ggtagaaata     360
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga     420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca     480
agagatttat ggcagaaatg t                                               501

<210> 595
<211> 383
<212> DNA
<213> Homo sapien

<400> 595
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac      60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg     120
ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc     180
tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta     240
```

```
gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag      300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag      360
gtgacatgtt tagagtcacc cag                                              383

        <210> 596
        <211> 266
        <212> DNA
        <213> Homo sapien

        <400> 596
ccatggctag gtttatagat agttgggtgg ttgggtgaaa tgagtgaggc aggagtccga       60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc      120
ctttagtgtt gtgtatggct atcatttgtt ttgaggttag tttgattagt cattgttggg      180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga ggggaaaata      240
gaatgatcag tactgcggcg ggtagg                                           266

        <210> 597
        <211> 383
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(383)
        <223> n = A,T,C or G

        <400> 597
ctggtcacca tcatcccttt aatccactca cacangttta aagagtgttt ctgatttgac       60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg      120
ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc      180
tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta      240
gagatggagg atggaaggat tggtaccaga agagggctaa gatacgtttt ctgtcttgag      300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag      360
gtgacatgtt tagagtcacc cag                                              383

        <210> 598
        <211> 266
        <212> DNA
        <213> Homo sapien

        <400> 598
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga       60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc      120
ctttagtgtt gtgtatggct atcatttgtt ttgaggttag tttgattagt cattgttggg      180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga ggggaaaata      240
gaatgatcag tactgcggcg ggtagg                                           266

        <210> 599
        <211> 294
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(294)
```

<223> n = A,T,C or G

<400> 599
ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca nataaggaaa atgaccatga gggcgtgatc atgaaaggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcgc tgca 294

<210> 600
<211> 213
<212> DNA
<213> Homo sapien

<400> 600
agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgccgagg 60
agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc 120
aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct 180
tgaacgcttt cttaattggt ggctgccttt agg 213

<210> 601
<211> 471
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 601
ncctactatg ggtcttaaat tttttactct ctctacaagg ttttttccta gtgtccaaag 60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgtgggc 120
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt 240
tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa 300
gttatttcta gctaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
ttggttataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt 420
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggttgtctgg t 471

<210> 602
<211> 482
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 602
tgagcataca gcaataaaaa taacataatt tctatgtgta caatatttat ggaatacgtt 60
actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta 120
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag 180
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ccttatgagg aaagagttac 240

```
ctgtggataa aggagaaact gaaaaatttc caagtcaaga ctttttgagc aaaaacaaaa     300
atatgactat gagtcaccaa ttcagtacag tgaaaaaaaa gttgaagaga tatcttggaa     360
gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattactct gaatgaattt     420
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat     480
tt                                                                    482

      <210> 603
      <211> 372
      <212> DNA
      <213> Homo sapien

      <400> 603
gttccaacct tcatttctga aactgttcta gagcactttg tcttttctgt agttcataac      60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta     120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga     180
ctcataacta gaatctttag atgaaactta ctgagttgaa taacttaata tatttctgtt     240
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac     300
tatacaattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga     360
ggaagtcact gg                                                         372

      <210> 604
      <211> 468
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(468)
      <223> n = A,T,C or G

      <400> 604
gcngttttga gtgagtttct tcatcctgag ttctggnttg attgcactgt ggtctgagag      60
atagtttgtt ataatttctg ttcttttaca cttactgagg agagctttac ttccaagtat     120
gtggtcgatt ttggaatagg tgtggtgtcg tgctgaaaag aatgtatatt ctgttgattt     180
gcggtgggga nttctgtann tgtctattag gtccgcttgg tgcagagctg agttcaattc     240
ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgacc gtggggtggt     300
aaagtctccc attattattc tgtgggagtc taagtctctt tgtaggtcac taaggacttg     360
ctttatgaat ctgggtgctc ctgcattggg tgcacatata tttaggacag cnagctcttc     420
ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg                  468

      <210> 605
      <211> 288
      <212> DNA
      <213> Homo sapien

      <400> 605
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgc                  288

      <210> 606
      <211> 572
      <212> DNA
```

```
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(572)
      <223> n = A,T,C or G

      <400> 606
gaatnaaatg aatgaaatcg aaaatataat tgagagcttc aacaacagac tataccaaat      60
ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa     120
aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa     180
atattcatac tatgggcatt ccagatggaa aaaagaaggg taaaggtgag gaaatcatat     240
ttaatgaaat aataacagaa aatttccgga gtcttgggag agagatgagc atttaggtcc     300
agggagctca aagaacccca aacagattca acccaaacag gtcctctctg gagcccaaca     360
tagtcaaatt gtaataagta aaagacaang aatttcaana agcattcaag agaaaagagt     420
caagtcataa atacgggaat ctccattagg ctaacagcag atatctcagc agaaagctta     480
cangccangg gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac     540
cctgctagct aaaaatatta taccttgcca aa                                   572

      <210> 607
      <211> 178
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(178)
      <223> n = A,T,C or G

      <400> 607
ctcggggtaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga      60
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga     120
ccaaggccag acctttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca       178

      <210> 608
      <211> 416
      <212> DNA
      <213> Homo sapien

      <400> 608
cctgtctttg aatggatgaa ataggttaat aaagaacatc actgtttaaa aactagaaca      60
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa     120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctctct     180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt     240
caacggctgt catagtgatt aacaaaaatt agttatgatt tctgcctatc tgtgtgagaa     300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa     360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg         416

      <210> 609
      <211> 648
      <212> DNA
      <213> Homo sapien

      <400> 609
ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc      60
```

```
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg     120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc acccaccagc     180
ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc     240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac     300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat     360
[illegible]                                                           420
ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga     480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa     540
cagactttaa accaacaaag atcagaagag acaaagaagg ccattacata atggtaaagg     600
gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc                  648

      <210> 610
      <211> 310
      <212> DNA
      <213> Homo sapien

      <400> 610
ccagctcttc tctgtcacat tcctatttct gacttctgcc tggctttcag tttctgcccc      60
accttggctt tttcccagct tgaacctaat agaactccag agtttggggg gaggcccagc     120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa     180
ctgttttgag gctcttaccg tagtggaagg tctcttagat cttccttagt gatctcatta     240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag     300
agctgagcag                                                            310

      <210> 611
      <211> 254
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(254)
      <223> n = A,T,C or G

      <400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac      60
aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaacc acaaaaggcc     120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa     180
tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat     240
gtggaactag gcag                                                       254

      <210> 612
      <211> 225
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(225)
      <223> n = A,T,C or G

      <400> 612
ctgactatat catgtcacca tcataggcaa tacaacattn ttgccatact tcctaaaaac      60
cttttcgcat acactgatca tgctacttat cagcactttc taacatcctg accaaacaga     120
cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac     180
```

```
acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaa                    225

     <210> 613
     <211> 471
     <212> DNA
     <213> Homo sapien

     <220>
     <221> misc_feature
     <222> (1)...(471)
     <223> n = A,T,C or G

     <400> 613
ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct     60
tacatcaaaa tagagggtct gacttagaag tatgctttta gctttctttt taaataagac    120
attctggaag aaaaaaaaag aaaaaggaaa gaaaatcaag tttgaaacac agttaacact    180
tattttggra agaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa    240
ggnattacag aacaaactgc aagaggggaa aattaaagcc ncactgaacg aaaaaataca    300
gtatgtctaa cattttggaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg    360
cttanacctn ggncgngacc acnctaaggg cgaattccan cacactggcg gncgttacta    420
gtggatccna nctcggtacc aagcttggcg taatcctngg catagctgtt t             471

     <210> 614
     <211> 421
     <212> DNA
     <213> Homo sapien

     <400> 614
gttatttttt agaatggctc tcccatcttg agtatgtgtg atgttctctc atgtatgaat     60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg    120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggt tacttttatt    180
atttgataaa ggttgtatat aacttatcta ttatggcata atacattagc taaaaccttg    240
gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg    300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa    360
aggcttagtt agggggtggt agaaatcttc catatgttct ttgctacgtg gacctcacag    420
g                                                                    421

     <210> 615
     <211> 242
     <212> DNA
     <213> Homo sapien

     <400> 615
cctcctattt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg     60
agcatcaaac tcaaactacg ccctgatcgg cgcactgcga gcagtagccc aaacaatctc    120
atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa    180
cctctccacc cttatcacaa cacaagaaca cctctgatta ctcctgccat catgaccctt    240
gg                                                                   242

     <210> 616
     <211> 392
     <212> DNA
     <213> Homo sapien

     <220>
```

<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

<400> 616
[illegible] 60
taccatgttt tttttttnt tcctaaatct nttggttcag cttgngaatn ttacgtgccc 120
gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agnaagtcaa gngtccanca 180
tttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg 240
tcctcaaacc cagcaacagc gtanaggcan aattanagga cccncccggg cggccgntaa 300
gggcnaattc cagcncactg gcggccgtta ctagnggatc cnagctcggn nccaagctng 360
gcgtaatcat ggncatagct gtttcctgtg an 392

<210> 617
<211> 215
<212> DNA
<213> Homo sapien

<400> 617
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcatc tctggactac cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc taccctataa tcttcccact atttt 215

<210> 618
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 618
cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca 60
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120
atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaat tatattttttg 240
ctgctgatat attagaataa ttttaaatg tcatcttgaa atgaaatat gtattttaag 300
cactcacgca aaggtaaatg aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
gaattgtaaa cattgaactg aacaaatnac ncataatgga tttggttaat gacttatgag 420
caagctggtt tgg 433

<210> 619
<211> 259
<212> DNA
<213> Homo sapien

<400> 619
ctgcagtgtc ccttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagcctctgca 240
tcaaactcaa ttcaggagg 259

```
      <210> 620
      <211> 393
      <212> DNA
      <213> Homo sapien

      <400> 620
ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta        60
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct       120
ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaata       180
gcttttctta aggtttagga gaatttgtag gggcacttac ttgataatct gaattttcta       240
gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgtaac aagttattaa       300
caaagcaata ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa       360
tttttaccat tctaatggtt acaaagtaac cag                                   393

      <210> 621
      <211> 563
      <212> DNA
      <213> Homo sapien

      <400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag        60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc       120
acatattttg cttaagatct gtcttaggac tctcgtctgg cccatatggt ttttccaagg       180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa       240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt       300
tggctaagct caagctcaaa acaggtcttc aaggagaaaa tacatcacaa agaaaaggat       360
gttttatttc ttaccttgtc ctagaaaaat ttccataaac tctattggct taattctgta       420
aacttgacca atatcagagt gcttcctacc aaggagggta gctgatgagc gtgaccatgg       480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat       540
tcaaggagac attatggtct tgg                                              563

      <210> 622
      <211> 505
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(505)
      <223> n = A,T,C or G

      <400> 622
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat        60
ctcttgtgtt ccgactttcc acttttcaac tttgaacttc aaaaaaacat tactttgctt       120
atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt       180
tattgtttaa atgnttagtt ccatttataa ttttatagc caactctcgg ttatttctgt        240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac       300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaatcaa aaattaactt       360
tcagatcatt gggaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt       420
gcttcatgcc ctttgnctat aaggaaatta ttccttgtag ctaatacatt tttcattttg       480
cagnccaaat ctttttgag aaagg                                             505

      <210> 623
      <211> 489
```

```
      <212> DNA
      <213> Homo sapien

      <400> 623
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga         60
[illegible] [illegible] cagttaaatt tacaagggga tttagagggt cctctgggca         120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt        180
ttgtcgcctc taccctacaaa tcttccccact attttgctac atagacgggt gtgctctttt      240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag         300
ttatttctag ttaattcatt atgcagaagg tacaggggtt agtccttgct atattatgct        360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt        420
ctatcgctat actttatttg ggtaaatggt ttggctaagg ttgtctggta gtaaggtgga        480
gtgggtttg                                                                489

      <210> 624
      <211> 233
      <212> DNA
      <213> Homo sapien

      <400> 624
gttggggaac agctaaatag gttgttgttg atttcgttaa aaaatagtag ggggatgatg         60
ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgtttttt ggagagtcat        120
gtcagtggta gtaatataat tgttgggacg attagtttta gcattggagt aggtttaggt        180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg              233

      <210> 625
      <211> 459
      <212> DNA
      <213> Homo sapien

      <400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca         60
gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa        120
tcacatggat tgttccctta gtactgcacg ccttttctat ggaacttttt caaattatct        180
aaatgaacaa gtttggtttt ggtgaacacc agcctttttt tttgtggttc agttttgtct        240
ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt        300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaaggg        360
tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta        420
ttagagattt taaggaaatc ttgtaggttt cgacattgg                               459

      <210> 626
      <211> 458
      <212> DNA
      <213> Homo sapien

      <400> 626
cctgatgatt gttttaaaca gtcgaaaggg ttcagctaag aactacagtc cactctcagc         60
cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc        120
gtaacactag gaaaactgca tacaatattt agaaggaaca ctaatacagc agaatctgca        180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc        240
acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta        300
tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt        360
aaagcactat gctggttatt gtgatatctg agatattttt aaagttgcaa ttcaattcaa        420
caagcattca tttagagtca tgtgcaaggc actgtgct                                458
```

```
<210> 627
<211> 393
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 627
ccatnngaac gcactcagga ggtggtttgt tctggatgca gaaaccagag atctagtttc      60
tatccacaca gacgggaatg aacagctctc tgtgatgcgc tactcaatag atggtacctt     120
cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag     180
aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg     240
gtccccagac aacaagtata taatgtctaa ctggggagac tatgaaatat tgtactggga     300
cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga     360
ccgacatata cctgtgggct aggacttcca gga                                  393

<210> 628
<211> 233
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

<400> 628
ctggatttat aaaatagttg aatgacaaaa gaagcntgtt ttgacagtaa aaaaaaggac      60
ttatggacaa aatatgcaaa atgtgcaaag aaaaaataaa tttgcattag aaaggtgggc     120
atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat     180
gttgtacccc ancccttgac tctggactta aggcaagcta tgactggctt tgg            233

<210> 629
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 629
ccnggacaat ntaggcaggc gaaggaaata aagggtattc aattaggaaa agaggaagtc      60
aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaaccccat tgcctcagcc     120
caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga     180
cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn     240
gaactctatt ccaattgctt tcaagaaaat taaaataccc agggatccaa cttacaaggg     300
acatgaagga cctcttcaag gagaaactac aaacccctgc tcaatgaaat aaaagaggat     360
acaaagaaat ggaagaacat tccatgctca tgggtagctt gatggggatg gcattgaatc     420
tataaattac cttgggcagt atggacctca                                      450
```

<210> 630
<211> 486
<212> DNA
<213> Homo sapien

<400> 630
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttccccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg gggtccttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcggcag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg 480
agtggg 486

<210> 631
<211> 211
<212> DNA
<213> Homo sapien

<400> 631
tttacataaa tattatacta gcatttacca tctcactttct aggaatacta gtatatcgct 60
cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag 120
ctactctcat aaccctcaac acccactccc tcttagccaa tattgtgcct attgccatac 180
tagtctttgc cgcctgcgat gcagcggtag g 211

<210> 632
<211> 293
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 632
cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc 60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgccctttc 120
ctaacactca caacaaaact aactaatact aacatctcag acgctnagga aatagaaacc 180
gtctgaacta ngctgcccgc catcatccta gtcctcatcg ccctcccatc cctacgcatc 240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg 293

<210> 633
<211> 263
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

<400> 633

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nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg      60
aacagtttga tatattgaca accgtcaact taagcaaatc aacagctttt ggccccagcg     120
tccaagtgaa cttttcatgg agtgcagaat ctcaaatgga caaaatactt tgtcttttta     180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc     240
tgcatcaaac tcaattcagg agg                                             263

      <210> 634
      <211> 491
      <212> DNA
      <213> Homo sapien

      <400> 634
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct     360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt     420
ctatcgccta tactttcatt gggtaaatgg tttggctaag gctgtctggt agtaaggtgg     480
agtgggtttg g                                                          491

      <210> 635
      <211> 270
      <212> DNA
      <213> Homo sapien

      <400> 635
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg                                      270

      <210> 636
      <211> 383
      <212> DNA
      <213> Homo sapien

      <400> 636
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca     120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt     180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt     240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag     300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct     360
tggttataat ttttcatctt tcc                                             383

      <210> 637
      <211> 537
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
```

```
    <222> (1)...(537)
    <223> n = A,T,C or G

    <400> 637
ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc       60
[illegible] [illegible] [illegible] ttacttgttt tggcagtact gaaatcaaag    120
gagctggttc ttcttttctc ccaattattt tcatatgaaa gcacctacaa ttagcctgtt      180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgcaca tttaagcatc      240
tttgttttac ataaaattag agtatgaaaa ccagtgttca attttttatc ttgttgagct      300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat      360
tactaataca agggttaaag aaggtagatt ttgttttcaa tatttgggta atattagaaa      420
gattcttccc acagggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg      480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg         537

    <210> 638
    <211> 445
    <212> DNA
    <213> Homo sapien

    <220>
    <221> misc_feature
    <222> (1)...(445)
    <223> n = A,T,C or G

    <400> 638
ccagcagaac acagnagtga tttggtcccg tttgttcccc agtggggtat ctatccttgt       60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg      120
ctgcacacna gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaaca      180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacggttaaa      240
atttcctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttaa      300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca      360
gtaaatactt tttgaatgaa ctagtatagt actttaatta gctagtcttc gtgtactggt      420
acaaaagaac agtgtcatct tacag                                            445

    <210> 639
    <211> 584
    <212> DNA
    <213> Homo sapien

    <400> 639
gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc       60
ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt      120
gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc      180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg      240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct      300
cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca      360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga      420
accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgcccccct gacgagcatc      480
acaaaaatcg acgctcaagt caagaggtgg cgaaacccga caggactata aagataccag      540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac                       584

    <210> 640
    <211> 404
    <212> DNA
    <213> Homo sapien
```

<400> 640
ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtaccc 120
tcctggctgt aggatctcat gacaacttta tttacctcta tgtagtctct gaaaatggaa 180
gaaaatatag gagatatgga aggtgcactg gacattccag ctacatcaca caccttgact 240
ggtcccccaga caacaagtat ataatgtcta actcgggaga ctatgaaata ttgtactggg 300
acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga 360
cgacatatac ctgtgtgcta ggatttcaag tatttggtgt ctgg 404

<210> 641
<211> 138
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 641
ctgtgacagg aacattacct gaagtgcagg gtggttacct gcacaaagtc ccatttccaa 60
aaatttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt 120
tcaaacntgt aactcaaa 138

<210> 642
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 642
ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttctcca 60
tggaaaagga cagccctctg ctgcagcgtt caacttgtgt gtttactgac agagtgaact 120
acagaaatag cttttcttcc taaaggggat tgttctacat tttgaagtta tttttaata 180
aaactgaatt atgttgtgta ttgtgcttcc taataggaaa tgcattattg gactgttttt 240
gtaacatcct gtttattgca aatagctagt atcgttcaaa aactgtataa aatacttttg 300
tacatattag caatgtctaa tttgtataca cttcagttaa atttccctaa aacttgaaag 360
gggaccttgt anaaattaaa a 381

<210> 643
<211> 403
<212> DNA
<213> Homo sapien

<400> 643
ccttcctaaa aaatagtggt gagctggagg ctacttccgc cttcttagcg tctggtcaga 60
gagctgatgg atatcccatt tggtcccgac aagatgacat agatttgcaa aaagatgatg 120
aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg 180
aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatg gtaggtgagg 240
tggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt 300

```
attttctgac catcgctgct gttgctctgt gagtcctaga ttttgtagc caagcagagt      360
tgtagagggg gataaaaaga aaagaaattg gatgtattta cag                       403

      <210> 644
      <211> 688
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(688)
      <223> n = A,T,C or G

      <400> 644
cctatttatt tgttttggcc ctggaccttc cctaatcaca attatatttc tttatttttg      60
cctttgagca gtttcattta tctttgtggg cagggaagat taaatatgaa attcagtcca     120
gtcattttgc tactggttag ctttagtttg aggcaagtaa aaatttttga ttaaaattag     180
tttcttaaaa ttatgccctt gctttaccaa ataatcaaat tggctaacaa ataagggtat     240
gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt     300
taaagaagac cttcctaaga gacaatcagg gatgagtttg attaatggga aatagctcta     360
ggttagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt     420
ctgaacggtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta     480
attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg     540
cagtgcgtct ccatcagtgt taacacagga gagatatgtt attttatgtg tatgtcttag     600
tttgggatat gtggtagtaa gaacatgtca agagtgcttt tctttcaacc tgncagctca     660
actgangaaa gacaggtact tccattgc                                        688

      <210> 645
      <211> 484
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(484)
      <223> n = A,T,C or G

      <400> 645
ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata      60
atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc     120
cttccttgta ccgcaactca aagacccatt ggaacaagac aatacatggc ttgatataca     180
acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt     240
tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta     300
aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac     360
gcccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg     420
gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact     480
ttgt                                                                  484

      <210> 646
      <211> 447
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
```

<222> (1)...(447)
<223> n = A,T,C or G

<400> 646
gggtcgcgtt gaacaacttg gttcaagatg gtgggggcat ttttagagcg gcaataattg 60
aaaaaaaagg cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata 120
actattttgt attataaagt gggccttaga gataggaaga agaatgatgg attccttttg 180
gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaagggagg 240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc 300
agtgtgtttc aggatgatac aaagaaaaat atagaataga aataagtgca ggcttggaat 360
cagctacaaa tcctaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg tgnacaccat 420
tgtgtgtttg taaaatgtgt atgtccc 447

<210> 647
<211> 388
<212> DNA
<213> Homo sapien

<400> 647
gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc 60
tcaggtttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

<210> 648
<211> 632
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(632)
<223> n = A,T,C or G

<400> 648
cctggctggg cntttgacct gcgnttttaa atnactcaca gagggtggga caggaggaag 60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt 120
acgaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc 180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag 240
tattattttt gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat 300
taagtgaatc agtgtgaccc ttcttgtcat aagattatct taaagctgaa gccaaaatat 360
gcttcaaaag aagaggactt tattgttcat tgtagttcat acattcaaag catctgaact 420
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa 480
agnatgattg gtggagggag caaggttgaa gataatctgg ggttgaattt ttctagttnt 540
cattccgtac atttttagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg 600
ggtggtatca gacctgcccg ggcggncgnn tc 632

<210> 649
<211> 300
<212> DNA
<213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 649
nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa      60
attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt     120
tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa     180
tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac taaaaggact     240
ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg     300

<210> 650
<211> 498
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

<400> 650
ngtnctgnta aacagaaggg tacaangccc ttctggcttt aagcagtcat aggaatgtga      60
cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt     120
ggatgtaatg ccattttaat cctgcctggg ccccaaatac tagtacttgt ccatatcttc     180
ttgcattttt agcgtctgct ctgtggggtt gttaggccct ggcactccca ggaactagtg     240
ctaaagctgc atctntctct cccctctagg gatcgataaa gtttcactgc agaaagtctc     300
cactgcggta tgctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc     360
agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg     420
ggtgatcctt ggtgcctttg tttccacaag gccttttcct gccccctgcc ttgccaaaga     480
catttaatca gcacacag                                                   498

<210> 651
<211> 654
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(654)
<223> n = A,T,C or G

<400> 651
ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag      60
cctaaagggc tttttctttt ctctgtattc cttcttggcc tccaacatgg gtacagtcac     120
aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa     180
gaggatccac aggtaaccaa aaagtaccag ggaaatggca gaaaaggaaa acctcaggag     240
accaacctca taagtggtat ttattagngc ctgggctcaa atccaaattg tacatgaata     300
tgtctggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc     360
agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga     420
agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac     480
ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat     540
gaattaaaac aagatttaga gactgagcat ggtagctnat tctcgtaatc caacnctttg     600
ggagggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg           654
```

```
<210> 652
<211> 293
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

<400> 652
ngtctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc      60
cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca     120
cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac     180
gtagtattta agngtccata atgtgccagg ctggagatgc acgggaaaac cacactagcc     240
ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt            293

<210> 653
<211> 294
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 653
ngtccaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacattcgtt      60
ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa     120
gatacacaac agttaagcgt aaagatcaca ggcaatagca ttcaaacatg gatgtgggta     180
gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt     240
tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag           294

<210> 654
<211> 250
<212> DNA
<213> Homo sapien

<400> 654
ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg      60
gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga     120
aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc     180
agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt     240
aattatgagg                                                            250

<210> 655
<211> 494
<212> DNA
<213> Homo sapien

<400> 655
ccattataat tttataacac cattaccctt taaattctac cgattataag cagcgtaaaa      60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt     120
```

```
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa      180
cctttttctg gtagcaccac ttttgttttt aatagaaaga tgagttcata tctgtacatc      240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa      300
tacctctgcc ttttcactaa aagccattta atatttttaa agtcaaaact tgacatacag      360
gtatttatat ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct      420
atgtaaagac atagtagagg acaattactt aaaggagagt tttcttttga ggatttgtag      480
atttgactaa gcag                                                        494

      <210> 656
      <211> 477
      <212> DNA
      <213> Homo sapien

      <400> 656
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat       60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttccct tgtagtttca      120
cagagggcct atttgtggtt gctcaggtgg ggtcatacat tgcttgcaga aatggcctga      180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg      240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac      300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca      360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta      420
tagtttgagt gtagggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag         477

      <210> 657
      <211> 576
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(576)
      <223> n = A,T,C or G

      <400> 657
cctctacttc tanatcacta tttttctaaa gacaatttgg tgttttgaag ataactgtca       60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct      120
ctttttcgca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagc      180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat      240
aatttgaaaa tggaaacatt tgacccacag tctagcagca taaatacatt tataaaatac      300
ttcattgttg atcttaggtc attgatttac aacagaattt ggtgactatg ggcaggtgga      360
gggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt      420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag      480
gtggtccaag ggaaggatca atattttaaa taacatattt gcttaaaata tcatacagtg      540
gctgcttcat aaaaaatctt ataaactttt attacc                                576

      <210> 658
      <211> 344
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(344)
      <223> n = A,T,C or G
```

```
      <400> 658
cctgaaaaga aagntgctct tatggactct tgcatgttaa gactatgtct tcacatcatg      60
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc     120
catgatggct tccacaaagc attaaacctg gtaaccagag attactggtg gctccagcgt     180
tgttagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca     240
catcaaaagg actccaaaat cccatacccca actcttaaga gatttgtcct ggtacctcag    300
aaagaatttt catgagtgtt cttaattggc tggaaaagca ccag                      344

      <210> 659
      <211> 230
      <212> DNA
      <213> Homo sapien

      <400> 659
ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaatc tgggagggat      60
atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggttagctc taatatttct     120
cattgaactt ggtggtatgt gccttccctg catataaggc catagtgctt ttttgggagc     180
gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag                230

      <210> 660
      <211> 80
      <212> DNA
      <213> Homo sapien

      <400> 660
ctggtccttg ttaaactcga tcacccactt ggaaagatcg actggaggct cctgggtgtt      60
ctgagggccc tgggggacag                                                  80

      <210> 661
      <211> 535
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(535)
      <223> n = A,T,C or G

      <400> 661
ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc      60
tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca     120
ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcaccttt ttttttcaaa     180
agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt     240
atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta     300
ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa     360
ataaagttgt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa     420
cnctgaactt gtttccctnt tgaaggacat tggaaatgtt accgaggttn ntttacctng     480
gccgcaaccn cnctanggcc naattccagc ncactggggg ccgttactag gggat           535

      <210> 662
      <211> 257
      <212> DNA
      <213> Homo sapien

      <400> 662
```

cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60
tctgatgcat atcaagattc aagcgcctgt tgtagcccct cccacagtcc tcacatttgt 120
atggcttttc tacactgtga actttttcct gcactttaga gaatgaattc tgtacaatgt 180
tcttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgtctc tgatgggtca 240
gacgagttga ggaccag 257

<210> 663
<211> 516
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 663
ccaattatag gtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60
ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac 120
atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg 180
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc 240
cctatgtata gttctgtcat ttttcaataa gagctttttg cttaattatg aagtactagt 300
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa 360
acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420
aatcagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaggg 480
caggattaag taatagagaa tttgaatgct aactgg 516

<210> 664
<211> 212
<212> DNA
<213> Homo sapien

<400> 664
gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg 60
ttcgtccttt agtgttgtgt atggctatca tttgttttga ggttagtttg attagtcatt 120
gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg 180
gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665
<211> 408
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G

<400> 665
atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc 60
tcatgtgttt tccgctgact agtactgaat aatacaacca ctcttactta atgttagtat 120
tatttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt 180
ctttaggaag ttacccattt ctaactttaa aaacaggaaa aatatcagtt ggcaaatgca 240
atcttttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg 300
gtctataagc acccttgang ggatntgtta aaagngncat naangggggа ttctcntttn 360

```
gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt                406

      <210> 666
      <211> 635
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(635)
      <223> n = A,T,C or G

      <400> 666
ctgaagnaca agggtcgggc aaaaataaga tcacaatcac caatgaccag aatcgcctga      60
cacctgaaga aatcgaaagg atggttaatg atgctgagaa gtttgctgag gaagacaaca     120
agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga     180
atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca     240
tggaaaaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg     300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaacccatt atcagcaaac     360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt     420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttgtt     480
aggaaaaaat tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggn     540
gttgaaactg ctatagccta agcnggctgt ttactgnntt ncattagcag gtgctcacca     600
tgtctttggg gtgggngggg ggagaaagaa agaan                                635

      <210> 667
      <211> 388
      <212> DNA
      <213> Homo sapien

      <400> 667
gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc      60
tcaggtttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa     120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg     180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct     240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg     300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat     360
taacctattt catccattca aagacagg                                        388

      <210> 668
      <211> 498
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(498)
      <223> n = A,T,C or G

      <400> 668
tgatcttaac aaaattcgta gcagtggaac cttgaaatgc atgtggctag atttatgcta      60
aaatgattct cagttagcat tttagtaaca cttcaaaggt ttttttttgt ttgttttcta     120
gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaattt cccatttgta     180
ttttattttc ttgaatactt ttttcatagt tattcgttta aaaagattta aaaatcattg     240
cactttggtc agaaaaataa taaatatatc ttatgaatgt ttgattccct tccttgctat     300
```

```
ttctattcag tagatttttg tttggcatca tgttgaagca ccgaaagata aatgatttct      360
aaaaggctat agagtccaaa ggaatgttct tttacaccaa ttcttccttt aaaaatntct      420
gagggatttg ttttcgcctt actctttttt cttctgtcac aatgctaagn ggtatccgag      480
gttnttaata tgagattt                                                    498

        <210> 669
        <211> 622
        <212> DNA
        <213> Homo sapien

        <400> 669
ccttagccaa agaatgcagt ggagccttcc cccttcaact gcattgtgaa tgaataccaa       60
ttaacagcat aaaaattaat agtcccatat cagatctgga aggggtttct ggggctgtct      120
gatgtcccta tcctgttgta gtgaacacaa tagcagaaaa ttctttctgg gtccatctgc      180
tataaagtct tggcaaaaca gcattactat gaagaggatg aactcaccta ccttcagatg      240
gaggaaaagt gaaaaggact taggctttag tcctccatga cttttcttaa gcactaccta      300
cctgtaataa gctgagtgca aaaggatgcc gaagaaaatc tgcacccaga agctgttaga      360
aagcactgca gagaacaggg tatgaagaaa ataaagagtt cttaataaac ccttaagatt      420
ctttgttcaa ggtaaccttg ccaaaagggc agagtaggtg gcaaagagtt gcttttaatc      480
tagctctaca ctgcatttga aaataaaatt tgcccatttt gaatatattg tttataatta      540
aatgtgcttt ttacactgca ggtcaatata aaaactggtt agtaaatttc cagcgagcat      600
ttatgttcat ttgctcacag ca                                               622

        <210> 670
        <211> 477
        <212> DNA
        <213> Homo sapien

        <400> 670
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg       60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat      120
gatatctaca aggctaatag cattgcctat gaagatgtgg tcgggggaga agactggaac      180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat      240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag      300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt      360
gcctatttga aaaggttagt aaatgctgca ggaagtggga ggttacagaa tgggcaaaat      420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcagtctat ttatcag         477

        <210> 671
        <211> 127
        <212> DNA
        <213> Homo sapien

        <400> 671
gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg tgtctgcgtg tgcatgtgtc       60
tgtgtgtgcg cgtgtatttc agtttgggtt gccggatccc atatgattgc gtgcctgtgt      120
acctgag                                                                127

        <210> 672
        <211> 400
        <212> DNA
        <213> Homo sapien

        <400> 672
gggtctgcac agctatgtta acagcatcct tataccagga gtaggaggaa agacacgact       60
```

```
ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc      120
tcagaacgag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc      180
tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca gattacatta atgcttctta      240
tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac      300
tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc      360
agacaaccag agcttggcag aagatgagtt tgtgtactgg                            400

      <210> 673
      <211> 600
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(600)
      <223> n = A,T,C or G

      <400> 673
ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag       60
tgttagcatt gtcatctgag atcactgcta ttaatatcat ccattaattt attagtgagc      120
ttcactatat gcagactggg agataaggag aaaatctgtc acatttctct tagctaatca      180
gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg      240
acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat      300
tataattaaa gcaggtttct cacatacttt tcattctatc ctttggataa ttttgtgagg      360
aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgct      420
tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag      480
taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa      540
gagagaaact gggtctcttg ggagggtttc ggtgctacat ttataccctn catcagagtn      600

      <210> 674
      <211> 140
      <212> DNA
      <213> Homo sapien

      <400> 674
ggtggttggt gtaaatgagt gaggcaggag tccgaggagg ttagttgtgg caataaaaat       60
gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat      120
ttgttttgag gttagtttga                                                  140

      <210> 675
      <211> 245
      <212> DNA
      <213> Homo sapien

      <400> 675
gttgggtggt tggtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa       60
aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta      120
tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga      180
tgagatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg      240
gtagg                                                                  245

      <210> 676
      <211> 621
      <212> DNA
      <213> Homo sapien
```

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<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac      60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag     120
taatatgatc ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata     180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcaggtcta tcatatggtt     240
tgacagattt tttaaaagtt atttttggta aggtcttctt ttagaaaaaa attaatctca     300
agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta     360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa     420
tatcttgaaa gctatattgt gggcttggta agcattttgt cttttctttc tctgttttgg     480
taaggattta aaattttttt cattgcaatt ttaagtggtt ttcaataagt aatagttttt     540
atcaaatttt tggtgcttgg tgcagagacg gcgtggggaa gggtgaatgg ttttgggaat     600
aattcagtgc acaactgggg g                                               621

<210> 677
<211> 210
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 677
tttacataan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc      60
acacctcata tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc     120
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact     180
agtctttgcc gcctgcgaag cagcggtagg                                      210

<210> 678
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 678
gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc      60
agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann     120
aactgattaa tgtttgggnn tgagtttnta tatcacagcc anaattntat gatgnaccat     180
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg     240
gagagctggg ttgtttgggt tgnggctcan tgtcagttcc anataataac ttcttggtct     300
aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat     360
tttacataat gggggtatna gtt                                             383

<210> 679
```

<211> 371
<212> DNA
<213> Homo sapien

<400> 679
aaaatgaaaa tattgacaag agtttcagat agaaaatgaa aaacaagcta agacaagtat 60
tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
aaatgaggca attattggta accaatttat tttaaaagcc catcaattta atttctggtg 180
gtgcagaagt tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa 240
tttagaagaa tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac 300
taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360
aatttggaag g 371

<210> 680
<211> 176
<212> DNA
<213> Homo sapien

<400> 680
cctaggattg tggggcaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

<210> 681
<211> 152
<212> DNA
<213> Homo sapien

<400> 681
ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
ttacagaaga aaattgaatg gcgagggtgt gg 152

<210> 682
<211> 141
<212> DNA
<213> Homo sapien

<400> 682
ccagtgcttg cttgccgtgg tttagtgatt gggtgttaga aataaaaact caggtctatt 60
tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120
gaactttgtt ggggtggggg g 141

<210> 683
<211> 308
<212> DNA
<213> Homo sapien

<400> 683
ccagcaatgg taccgagtga gggtgttctg ctaatgactt cagagaagta tttaagaaaa 60
acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacagtgt 120
tgagctcatg gatagccaaa tatgatgcca tttaccgagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg 300
catgtcag 308

```
<210> 684
<211> 277
<212> DNA
<213> Homo sapien

<400> 684
tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa        60
ataggttgtt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgc       120
gggtggttgt gttgattcaa attatgtgtt ttttggagag tcatgtcagt ggtagtaata       180
taattgttgg gacgattagt tttagcattg gagtaggttt aggttatgta cgtagtctag       240
gccatatgtg ttggagattg agactagtag ggctagg                                277

<210> 685
<211> 457
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = A,T,C or G

<400> 685
ctgtggcgtn ccctacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa        60
agaaacaggt cgctgaaaac taaaatgtcc acatccctaa ctggcnaccc acatcanccc       120
caaaggcttn aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac       180
acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac nagttgtaaa       240
atacgtttcc attcctttgg attttgcata tgatggtttt gcatcagtca ctgcaggtag       300
attgagcaac ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga       360
atagattaat actccctttt tatcactaca gttagctaaa aaattgccag gcagtccacn       420
aaacngaatt tgctttaagn ccaacccacn gagtcag                                457

<210> 686
<211> 234
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(234)
<223> n = A,T,C or G

<400> 686
ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac        60
attatggnca aaatatgcaa aatgtgcaaa gaaanaataa atttgcatta gaaaggtggg       120
catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa       180
tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg             234

<210> 687
<211> 315
<212> DNA
<213> Homo sapien

<220>
```

<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G

<400> 687
nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
tatgtggaga attttggtct aattgatggt cgcctcacca tctgtacaat ctcctgtttc 120
tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaacccgtt 180
ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240
tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
gatgatattt ggcag 315

<210> 688
<211> 522
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

<400> 688
ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
gactgaatgt ttgggttaag atgttagttg tcagactcct gagaaaaggt tttaagcaag 120
gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
gggtactgtc taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag 240
gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
tttgaacaag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag 360
aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480
aattagattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689
<211> 158
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G

<400> 689
tctcaactta ntntnatacc cacacccacc caanaacagg gtttgttagg nattgtttgc 60
attaataaat taaagctcca tagggtcttc tcgtcttgct gtgtcatgcc cgcctcttca 120
cgggcaggtc aatttcactg gttaaaagta agagacag 158

<210> 690
<211> 300
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```
<222> (1)...(300)
<223> n = A,T,C or G

<400> 690
tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga       60
[illegible] [illegible] aaaatatcag accatctctt acttgtccca tccaatctta      120
catcgaatta tatgcaccct taaaagttta tttggagttt taaaaaactc tattagccca      180
aattacctga aataaactcc tggcttgttc ccctaatgtt tataaaaaat tgattgaaaa      240
tatttcattt aaaaatgaag ntcttgaatt tatttaaatt actgtcttgc agtgagttgg      300

<210> 691
<211> 305
<212> DNA
<213> Homo sapien

<400> 691
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag       60
gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg      120
taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat      180
cacaggcctg ccaagtgcct gtttttctag aactaggagt tggtgaggtt tggctagtgc      240
tgaaaccatg catagcattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa      300
gacag                                                                  305

<210> 692
<211> 582
<212> DNA
<213> Homo sapien

<400> 692
caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtacctttct tgggaataca      60
attgtctaac tttttatttt tggtctggct gttgtggtgt gcaaaactcc gtacattgct      120
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg      180
actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca      240
aaacaggcac agcatacact ttctttacac ctaataacat aaagcaggtg agcgacctta      300
tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag      360
acagaggtgc aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcgttg      420
tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa      480
gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca      540
caatgatttg tgtcatagac atcattgatc aatttgcaat tg                         582

<210> 693
<211> 275
<212> DNA
<213> Homo sapien

<400> 693
ccaattgatt tgatggtaag ggagggatcg ttcacctcgt ctgttatgta aaggatgcat       60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct      120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg      180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg      240
atcagctctt ctatgatagg ggaagtagcg tcttg                                 275

<210> 694
<211> 397
<212> DNA
```

```
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 694
nggtctgcat ttttattgcg atctgcagat gaactggaaa atctcatttt acaacagaac      60
tgagacagac gaccaccata ttcactgagg tctaaatttg cagtttccac taatgacatt     120
ttgatttccc aacagagata cttctggtct tactgcacag tcttttaaga gaaatacttc     180
cattatgcca cattgtcctt gatccgtaag tgatgtgtta aggtgcttca aaggaactct     240
gacctctgaa gtacttgagc tactttagta tgtccagcct attgcttttt gttttagtgt     300
gtcaccataa atatcagggg cataaaaggc tatctattct taattcaagg ataaaacaga     360
agaagcttgt ggtataaaac aatagttcaa gatccag                              397

<210> 695
<211> 609
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(609)
<223> n = A,T,C or G

<400> 695
ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg      60
gacctcatga ttgtccagtg cctgggctga taccgnggga aacgaaattt tgtggctgcc     120
cacaaaattc tggaaaataa tgatttttta gaaaacctcc actgntttgt tgtgcagcaa     180
taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa     240
taatagtncc gggatacaaa aatggtcaaa ttgaaaggga tacaaagcct caaagcagtc     300
ctcactcata ananccttgt tgtatcacta aaanggcatt aaaattgaga anaaggaana     360
actagtggat taattaataa atgagaagta tccataagga aaaattaaaa ttcnattctt     420
gcttcacatt atgaaaaaat acaaacaaca gattgattaa agacttaaat gngatcaaca     480
aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaac     540
attttcntcc aaggcattaa agtgttaaat gaaaagactg atncatttat tcattagaat     600
ttaaattcn                                                             609

<210> 696
<211> 300
<212> DNA
<213> Homo sapien

<400> 696
ctgcaaaata agcgtgctaa attaaattgt cttaaggttt ttccacttca ttttgtgact      60
ttgtgtggtt cgaatttctc agtattttaa ccagtgtgtt gatgttaaag tcaaaggctg     120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta     180
aatagtgaaa ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag     240
taaacacggg aattgatttt attctggttg tctataatac ttcattttaa atgtaaatgg     300

<210> 697
<211> 391
<212> DNA
<213> Homo sapien
```

```
      <220>
      <221> misc_feature
      <222> (1)...(391)
      <223> n = A,T,C or G

      <400> 697
nngtcatctn tgatgnatct gancaggttg ctccacaggt agctctagga gggctggcaa      60
cttagaggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa     120
ctcttcaatc tcttgcactc aaagcttgtt aagatagtta agcgtgcata agttaacttc     180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta     240
ttggaaattt gttctaatga atgaaacatt ttgtcatata agattcatat ttacttctta     300
tacatttgat aaagnaaggc atggttgtgg ttaatctggt ttatttttgn tccacaagtt     360
aaataaatca taaaacttga acaaacaaaa a                                    391

      <210> 698
      <211> 536
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(536)
      <223> n = A,T,C or G

      <400> 698
ctgagcatac agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt      60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact     120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa     180
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta     240
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa     300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga     360
agtaaacaat gttgtggaag agcagggttt tgataatcat gggattattc tgaatcaatt     420
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca     480
tttcaaaggg gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt         536

      <210> 699
      <211> 419
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(419)
      <223> n = A,T,C or G

      <400> 699
ngtccacctg agggcaggtg acaaggacct gacgagaccc atgcagggct ttagatttgg      60
acacacaaga gttgataact tcctcatgaa ctccttgcct gatctaaact catattatgg     120
gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac     180
aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca     240
ttcacctctg tttttttgtg attctttcac agataatgag accttaataa caaataggcg     300
taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaact tggttggctt     360
gatattttaa ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag      419
```

```
<210> 700
<211> 336
<212> DNA
<213> Homo sapien

<400> 700
ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg        60
agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta       120
attttgagca gccatattct gaattaaatc gtcacagcca agtaataacc caagaatggt       180
atgagtttca tgtgtaatag ctcaaatgga ataagcatga atgctggagt ggaccattat       240
cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt       300
taggcaaaat caaaagtatt tgcggcaaaa taaagg                                 336

<210> 701
<211> 418
<212> DNA
<213> Homo sapien

<400> 701
ccatgtgatg atgttgacaa cccctgaaga gcctcagtcc attgttccac gtttaagaac        60
taggaatacc aggactgatg caattctact gggtcactat cgcttgtcac aagacacaga       120
caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta       180
taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcatgtggg       240
gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc       300
ttgtcacatt acttacaaat caactggtga gactgcagtc agtgcttttg agattgacaa       360
gatgtacacc cccttgttct tcgccagagt aaggagctac acagctttct cagaaagg         418

<210> 702
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 702
gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataggt tgctgttgat        60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat       120
tcaaattatg tgtttcttgg agagtcatgt cagtggtaga aatataattg ttgggacnat       180
tagntttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan       240
attgagacta gtagggctag g                                                 261

<210> 703
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 703
```

gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataggt tgctgttgat 60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat 120
tcaaattatg tgttttttgg aggctcatgt cagtggtagt aatataattg ttgggacnat 180
tagntttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240
attganacta gtagggctag g 261

<210> 704
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 704
ngtntgaatt ntattaaaga tacaaagagg agctggtacc atttcttctg aaactattac 60
aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga 120
taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcactgatga 180
acaccaatgt gacaatcctc aatcaaatac tggcaaactg aattcagcag cacatcaaaa 240
agctaatcca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat 300
gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360
tctcaataga tgcagaaaag g 381

<210> 705
<211> 477
<212> DNA
<213> Homo sapien

<400> 705
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
ctttgccgcg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct 120
aatactggtg atgctagagg tgatgttttt ggcaaacagg cggggtaaga tttgccgagt 180
tcctttaact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300
atctgacgca ggcttatgcg gagggagatg ttttcatgtt acttatacta acattagttc 360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggtggctgc tttcagg 477

<210> 706
<211> 266
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(266)
<223> n = A,T,C or G

<400> 706
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc 120
ctttagtgtt gtgtatggct atcatttgtt ttgaggntag tttgattagt cattgttggg 180
tggtaattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata 240

gaatgatcag tactgcggcg ggtagg 266

<210> 707
<211> 358
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 707
ccatcagaga aatgcaaatc aaaaccacaa tgagatacca tctcacacca gttagaatgg 60
caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac 120
ttttacaccg ntggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat 180
tcctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct 240
taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga 300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

<210> 708
<211> 491
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 708
cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttccccct attttgctac acagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggttt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggng 480
gagtgggttt g 491

<210> 709
<211> 460
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

<400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa 60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
ctccttccaa catttacatc tttttctttt ctgactttat atattttcaa taaaatttg 180

```
ctccacagtt tttaagntca ttcttcttga atccgctttt acatttgctg ngacaaacct      240
gcataaaact agattttata gatataactt ctttggaaga gataaaaatt caaaagtttg      300
acattgcttt canttattct tttcttcatt gttttgattg gcccctgtta gattgatgta      360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagtg      420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa                            460

      <210> 710
      <211> 542
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(542)
      <223> n = A,T,C or G

      <400> 710
ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg       60
tgttcagatg taatgtaatt ggagtgaaaa actgtgggaa aagtggagtt cttcaggctc      120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg      180
cgattaacac tgtttatgta tatggacaag agaaatactt gttgttgcat gatatctcag      240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg      300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca      360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat      420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca      480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc      540
tg                                                                     542

      <210> 711
      <211> 394
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(394)
      <223> n = A,T,C or G

      <400> 711
caaacccact ccaccttact accagacaac cttagccaaa ccatttaccc aaataaagta       60
taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa      120
attataacca agcataatat agcaaggact aacccctata ccttctgcat aatgaattaa      180
ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga cgagctacct      240
aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna      300
gaggcgacaa acctaccgag cctggtgata gctggttgtc caagatagaa tcttagttca      360
actttaaatt tgcccacaga accctctaaa tccc                                  394

      <210> 712
      <211> 552
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(552)
```

```
<223> n = A,T,C or G

<400> 712
gaggtctgta naatgccagg ctcaaatttg tctttataat ttaataccag aaatctttcc      60
cttgtgatgt ttctttcttt ctggattgcc tctatagcag ggatagcggg ggaggataa     120
ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcattc     180
atctgcacag agaaaaataa tgataaaata tcccttccct atgtttactg attttatggc     240
tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgatttttt     300
ttttaattta cctgttagag gtatttaana attttaacta gctanaaata attacattcc     360
aaaggaacac caaggcaaat aaatggttgg taatcagcaa aagaattaca ttagttgttg     420
ntgctactta ttaggggag aactgttttt ttttaaattt aaacaattta ataatctcaa     480
ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat     540
tttcataata tt                                                         552

<210> 713
<211> 518
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 713
ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc      60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa     120
atgccacatg aanaaacccc aagggganaa acataaaaac tttatatgtc agtcatataa     180
aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag     240
gaccananag agnaggagga ganagattat taaagggttt aaagtaaatt tgggagtgcc     300
cttccntttt taaatnctat gaaaatgaaa gtaaaggcnc atgcatgttg taaactaata     360
gtaacaaaca naatgggttg gagtggggtg ttgtctgggg acatcattac aaaatgtaag     420
ccagtttatn taaattttga aaagaccgtg gactctgatc tgactgatna atgttggaag     480
agataagtgt gctgcaaatg ggggaattaa taaaacag                             518

<210> 714
<211> 281
<212> DNA
<213> Homo sapien

<400> 714
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct     120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg     180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg     240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac c                         281

<210> 715
<211> 443
<212> DNA
<213> Homo sapien

<400> 715
cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa      60
gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagaggt atccgtactt     120
```

```
gaaaactgga aggagagtga agtgtataag ctacagatca tggagtcaca agcagaagcc      180
tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct      240
gatatacgtt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaag      300
tctcagtttg aagaacaaat taaggcaatt aaaaatggtt cccggctcag tgaactttct      360
aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cggttcatcc cgagttactc      420
cccgagtcct caggtcacga tgg                                              443

      <210> 716
      <211> 639
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(639)
      <223> n = A,T,C or G

      <400> 716
ccaaanaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac       60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag      120
aagagtctct acaaatgcag gttcaggata ttttggagca gaatgaggct ttgaaagctc      180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag      240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag      300
caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga      360
atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg      420
ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat      480
tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa      540
atgaccaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gttctgcaac      600
angcctaata aggatgntgn ggaacaaatg gaaaaattg                             639

      <210> 717
      <211> 473
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(473)
      <223> n = A,T,C or G

      <400> 717
nntgaggcta ctgttgtttt attacaacat tacctcttgt ttttacaaag tgtaccaaga       60
tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac      120
agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga      180
acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt      240
ttagactaat tatgggggaa tttgccacca aaataaaaaa tatgtaaagn gtagtgatta      300
cagagtggtt aaaatgtggg ttagtactta tttattccat taattgatta tttgactgtt      360
tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca      420
ttacagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg             473

      <210> 718
      <211> 207
      <212> DNA
      <213> Homo sapien
```

<400> 718
ggtaaatgct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca 60
cctcacatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg 207

<210> 719
<211> 255
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G

<400> 719
cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct 60
tgcaactata gcaacagcct tcataggcta tgtcctcccg tgaggccaaa tatcattctg 120
aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180
tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt 240
tcacttcatc ttgcc 255

<210> 720
<211> 455
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G

<400> 720
cccatgtcga aacctacaag atttccttaa aatctctaat agaggcatta cttgctttca 60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga 120
atatcattga ttttataatt ggtgctattt gaanaaaaaa atgtacattt attcatagat 180
agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaccacaaaa 240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca 300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgcttnc attatgttca 360
tgtaanaagc ccctttattt tagccataat tttgcatact gaaaatccaa taatcagaaa 420
agtaattttg ccatattatt tatnaaaaat gttcc 455

<210> 721
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 721
ccagtgcttg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctattt 60

```
cttaccagtc agtaacaatt tttagagaat gtacttggta tataatatat ggacttcagg      120
aactttattg gggnggggg ttaattttgc cttaccctgt tcactttcag atgattaggc       180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc tttaatttgt      240
atgtagcaat gaattgtgaa tctttagtgca gtgggttttt ttaaaaaact caaaaagctg      300
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta tttcataatt      360
[illegible] [illegible] ttttaatgaa aacggtcttg ggttcagagg tgtgatgcca    420
gaatgtattt tcgtactgtt aggcccttgg aacagatacc ggtgcttttct tgaaagatga     480
aagaaatgca atgggtgctc ttcatgcaag gttgcaaacc taccaagaat                 530

<210> 722
<211> 242
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

<400> 722
ccaagggtca tgatggcagg agtaatcana ggtgntcttg tgttgtgata agggnggaga       60
ggttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat      120
atgagattgt ttgggctact gctcgcagtg cgccgatcag ggcgtagttt gagtttgatg      180
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatagga      240
gg                                                                     242

<210> 723
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 723
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga       60
gccgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca      120
aatttaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt       180
ttgtcgcctc nacctataaa tcttcccact attttgctac ataggcgggt gtgctctttt      240
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag      300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct      360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt      420
ctatcgcctc tactttattt gggtaaatgg tttggctaan gttgtctggt ag              472

<210> 724
<211> 292
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(292)
<223> n = A,T,C or G
```

<400> 724
nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt 60
ataagttttc acncaataca caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120
tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180
gaaaggagta cctggcatga gtacctgctt agttngactg aatccttgat ttttaatttg 240
gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag 292

<210> 725
<211> 122
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(122)
<223> n = A,T,C or G

<400> 725
atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60
ngaagtaaca aaaacctggc ctgcangngg nccccatccc cgtggctcca tggntgatgt 120
gg 122

<210> 726
<211> 477
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 726
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct 120
aatactcctg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta 300
atctgaccca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc 360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
tttttaggta gtgggtgttg agcttgaacg ctttcttaac tggcggctgc ttttagg 477

<210> 727
<211> 416
<212> DNA
<213> Homo sapien

<400> 727
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca 60
ctgaaaaatt ctaggaaagc ttatttcccc ttatattttt atggtacttt caacacttaa 120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct 180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360

```
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg          416

      <210> 728
      <211> 416
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(416)
      <223> n = A,T,C or G

      <400> 728
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca       60
ctgaaaaatt ctgggaaagc ttattttctc ttatattttt atggtacttt caacacttaa      120
taacactatt tcaattaagt ttctcctag agtttatagt atatcagtac attctttttct      180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt      240
caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa      300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa      360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaatc ntctgg          416

      <210> 729
      <211> 564
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(564)
      <223> n = A,T,C or G

      <400> 729
ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc       60
aggtaagggg atagctgctg caggaattct ttcttgaaaa atttaagctg tttggtaaga      120
attctgtaac tacatacctt tgaaacacta ttcacattca aataaacgct tgtttttctag      180
ccaggcacag gctcaattag tttttcaaac tctagccaag gcagtatttc atttgggaaa      240
tcatgcaaca gaactgctca attcttaact tctcctgctg ttaacattta cacttagact      300
gccagcaaca gttaacttaa attttggtct caagggaaca aaaaaaaatt gcattcagaa      360
tttaatatag tattttaaaa ctaattttag cctgtaagnc attatgagca atagtaactt      420
ttatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt      480
ctatatgcta gaagttgctg attttcattc tgccaccaaa aaaaactgtc cttttttttt      540
tatgggggaa aaagggaatt taaa                                             564

      <210> 730
      <211> 310
      <212> DNA
      <213> Homo sapien

      <400> 730
ccatttttat ttcttcttca gagaagtgtt tatttaggtc tgttgcccat tttacaatta       60
ggccatatgt ttttcttgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac      120
cccttatcac acgtatgttt tttaaaataa atttcgctta ttaatctttt atcagatgta      180
tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt      240
gctcttcgga agcttttttgt tttgttttgt tatttgtttt actttgatat agtcccattt      300
attgtttttg                                                             310
```

<210> 731
<211> 467
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

<400> 731
ngacaacctt agccaaacca tttacccaaa taaagtatag gcgataagaa ttgaaacctg 60
gcgcaataga tatagtaccg caagggaaag atgaaaaatt ataaccaagc ataataaagc 120
aaggactaac ccttatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
gccaaagcta agaccccсga aaccagacga gctacctaag aacagctaaa agagcaaacc 240
cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct 300
ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc 360
ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta 420
ggaaaaaacc ttgtagagag agtaaaaaat tcaacaccca tagtagg 467

<210> 732
<211> 492
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 732
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagctaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggnttcg gggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct 360
tggntataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtgaggcgg 480
agngggtttg gg 492

<210> 733
<211> 562
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

<400> 733
ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac 60
tttgaaggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc 120

```
agctatgctg actgacacta cattctagtt cttaagattt tttttccana tccccccttc      180
tccagctaga catacgtagc atactttcat cttattcagt cttttctgtaa cctgctgctg     240
cttttagtcc tcctcacctc agatcggaat caatggagtg ggcccagagg atacatttta      300
attccagtaa tggtaggtag atttgtcctg ctttctaaaa catctccctca tttcatattt     360
ccactccata ttgattccat aagggaaaat taatgggtgn ttcctccttt agggaggcaa      420
[illegible] [illegible] [illegible] [illegible] attgatttcc cttgaaggag  480
cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcattttaa      540
tacttaatgt tggtnctggg ct                                               562

<210> 734
<211> 265
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 734
nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt       60
gacttttcct gtagcctatg ggagtggaca gagtgggtaa ccccagatgt ttttaagact      120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaatgt gactgaaggg      180
attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca      240
cacttgaaag gtatttatct aatgg                                            265

<210> 735
<211> 216
<212> DNA
<213> Homo sapien

<400> 735
atttaatacg tgccactcac tcggcacgcg ctaaagctac agttaacaat cagtgagcac       60
atattaaatg ataaaataat gctgatggta aacattcata acagcagagt aagattttgg      120
cagttttgtg tctcggtaac ataactgtaa ccttagatga acaccctatcc cttcatgatc     180
tgactttaga ggcaaggagt ttgtaacatc taatgg                                216

<210> 736
<211> 265
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 736
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggcatgctg       60
aggccaggca gtaaattgct atggagctct ccaatttaag gccagtttga ctccaagggt      120
agggctttcta gtaaaatttt gtgattaaat tggaaactct aatttatttt tctatgngtt     180
tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacacccaa      240
taccaaagct tcctttccct tccaaattta ctgacccttt gtcag                      265

<210> 737
```

<211> 509
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(509)
<223> n = A,T,C or G

<400> 737
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca 60
aagcccatct ggacnagaaa tcccgacgat attactaatg aggagtacgg agaattctat 120
aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga 180
cagttggaat tcagaggcct tctatttgtc ccacgacctg ctccttttga tctgtttgaa 240
aacagaaaga aaaagaacaa catcaaattg tatgtaccca gagttttcat catggataac 300
tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat 360
ctccctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang 420
aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa 480
ctncaagana ttctatgagc agntctctt 509

<210> 738
<211> 97
<212> DNA
<213> Homo sapien

<400> 738
cagtgaattg aatacgactc ctatagggcg aattgggccc tctagatgca tgctcgagcg 60
gccgccagtg tgatggatat ctgcagaatt cgccctt 97

<210> 739
<211> 209
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(209)
<223> n = A,T,C or G

<400> 739
ccgncagtgt gatggatatc tgcagaattc gcccttagcg gcccgcccgg gcagggtcct 60
tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatttttt 180
aaatcctgag gactagcatt aattgacgg 209

<210> 740
<211> 164
<212> DNA
<213> Homo sapien

<400> 740
ccaagctaat gggtgacact gtgaatgcaa ctctaatgca gcctggcgta aatggtccta 60
tgggcactaa ctttcaagct aacacaaaca gaggaggtgg tgtgtgggaa tctggtgcag 120
caaactccca gagtacatca tggggaagtg gaaatggcgc aaat 164

```
      <210> 741
      <211> 514
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(514)
      <223> n = A,T,C or G

      <400> 741
ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg      60
gaagaaaaag aagataaggt gcttcattaa taatctttta tattgattac atgttgaaat     120
gatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttctt     180
ttttaatatg gctactagaa aattaaaaat tatgttgtgg ttcacattat atttctgttg     240
aacaatgtgg acatagctaa tctacagtca ttacattagc cttagaattt agcatcatac     300
ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata     360
taaattattg caaaattcat tcttatctct ctgaaagata tgcattttaa gggtaaaaag     420
aattcacaaa atattgantc cttaacaaat gtcaattagt atatggagag agctaaagga     480
cttcntgtag actggtncat tggggaaaaa caga                                 514

      <210> 742
      <211> 439
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(439)
      <223> n = A,T,C or G

      <400> 742
gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct      60
atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt     120
ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat     180
cacagatcag tagcaaaata caaattgaca attcaaaatt ataaataaaa ctctgttgag     240
gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg     300
ttatatttcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt     360
tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct     420
cacatcatca cagttgttt                                                  439

      <210> 743
      <211> 275
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(275)
      <223> n = A,T,C or G

      <400> 743
cangacgcta cttcccctat catagaagag cttatcacct ttcatgatca cgccctcata      60
gtcattttcc ttatctgctc cctagtcctg tatgcccttt tcctaacact cacaacaaaa     120
ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgccc     180
```

```
gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag      240
gtcaacgatc cctcccttac catcaaatca attgg                                 275

      <210> 744
      <211> 295
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(295)
      <223> n = A,T,C or G

      <400> 744
ctgtcctttt aaaaaatctg gatgtttttt atttagtgat tgttcgacaa ttagctgctt       60
caaaacataa tctgcattgc ttatgaatgc cttcatatac taatacagat actctgataa      120
tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa      180
tatatacatg attagccaac atctttgcta tcaagaccac tcgtctttaa ataaagatgc      240
aagtgtcagt tgtagattat tgggatgaag ctaaatcccc agaatgcagc agcag           295

      <210> 745
      <211> 477
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(477)
      <223> n = A,T,C or G

      <400> 745
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat       60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca      120
cagagagcct atttgtggtt gctcaggtgg ggtcatacat tgcttgcaga aatggcctga      180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg      240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac      300
agagaatccc tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca      360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta      420
tagtttgagt gtanggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag         477

      <210> 746
      <211> 524
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(524)
      <223> n = A,T,C or G

      <400> 746
ctgtgaaatt gggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca       60
gagctgtgaa gttagactct atgatgaaac agagtcgtct tttgcgatga catgttggga      120
taatgaatcc attctacttg cacagagctg gatgccacga gaaacagtaa tatttgcctc      180
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa      240
```

```
aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttacacg      300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat      360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaagggaa aagctttgaa      420
gaatgaagga aaagctgatc cttcctatgg catcctttat gcctacattt ccacactcaa      480
cattgatgat gaaactcaaa agtagttcga aatagatgtt ccag                       524

      <210> 747
      <211> 456
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(456)
      <223> n = A,T,C or G

      <400> 747
cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag       60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg      120
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagtg      180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc tttcagtga       240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt      300
tcagtgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatctt      360
aagtgttttt ttcgttttgt ttttaaatct tatttcagaa aacttcctct ngggtagga       420
aagtacacat gaagcagcaa agtaacgaag aaaaac                                456

      <210> 748
      <211> 474
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(474)
      <223> n = A,T,C or G

      <400> 748
ccanaccagg gaaccaaatg cagacagnga agttctctgc ttcttttggc tataatgnga       60
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca      120
gtcaaataat caattaatgg aataaataag tactaacccc cattttaacc actctgtaat      180
cactacactt tacatatttt ttatttnggn ggcaaantcc cccataatta gtctaaaatc      240
caccaatcac ttttaaaagt aaaatgaata gccaccaaaa taagaaaatc ttctgttcac      300
tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa      360
cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt      420
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag            474

      <210> 749
      <211> 355
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(355)
      <223> n = A,T,C or G
```

```
      <400> 749
cctgggtnns gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctcctgcctc       60
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt      120
tttaatagag acagggtttc accatgttga tcaggttggt ctccaactcc tgacctcagg      180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg      240
gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctggtt      300
actactttaa ncctcctgcc ctcccaaatg tnctcactgt ttttctanac atacc           355

      <210> 750
      <211> 493
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(493)
      <223> n = A,T,C or G

      <400> 750
ccatgctggt ctcgaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat       60
tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa      120
ccacaattac taattactcc tgaaatcaga aaagaggtta aaaagatttt ataacagtat      180
cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag      240
ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaactat      300
atttgcatct ggggaataga gaaagtacct ataagccatg attttgaagn caaaagagag      360
agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagctcttt      420
gtatgctggt aactaatttt aatttcctac attnttatgg agatttctgc tattcttgtc      480
ctattttcca cct                                                         493

      <210> 751
      <211> 364
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(364)
      <223> n = A,T,C or G

      <400> 751
cgaggtctgg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat       60
ccctaatacc tgccacccca ctcttaatca gtggtggaag aacggtctca gaactgtttg      120
tttcaattgg ccatttaagt ttagtagtaa aagactggtt aatgataaca atgcatcgta      180
aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgcgtgt      240
ggcagtttta agtattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa       300
aaatttgtca cagaattttg agacccatta aaaaagttaa atgagataaa aaaaaaaaan      360
cntg                                                                   364

      <210> 752
      <211> 490
      <212> DNA
      <213> Homo sapien

      <220>
```

```
      <221> misc_feature
      <222> (1)...(498)
      <223> n = A,T,C or G

      <400> 752
[illegible] [illegible] [illegible] [illegible] acaggcatan ctatnatgca        60
gtgaatccct taguagttac aattctcaaa ttacatactt cctcagatgt aacattagaa       120
ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta       180
acttgtaycc tcagtaatat gacatacttg ccttttaacaa attatctcaa attaactaac      240
agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtctgagaa       300
atatgcttaa cagttggacc tcaaattaaa tgtactgatt ttaaagttta gacattaaca       360
agtgatanat tagcctcaaa aaaagacaat ttggnaaggn ttaggtcttt taatttggtg       420
cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa       480
ttctattttc agtaaatg                                                     498

      <210> 753
      <211> 467
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(467)
      <223> n = A,T,C or G

      <400> 753
nacaaccttc gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct        60
ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag       120
caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag       180
agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac       240
ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc       300
tggtgatagc tgantgncca agatagaatc ttagntcaac tttaaattta cccacagaac       360
cctctaaatc cccttgtaaa tttaactgtt agtccaaaga ggaacagctc ttggacacna       420
ggaaaaaacc ttgnagaaag agtaaaaaat ttaacaccca tagtagg                     467

      <210> 754
      <211> 196
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(196)
      <223> n = A,T,C or G

      <400> 754
gtcatgttca agtgttntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta        60
cttatactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt       120
tcagttatat gtttgggatt ttttaggcag tgggtgttgu gcttgaacgc tttcttaatt       180
ggtggctgct tttagg                                                       196

      <210> 755
      <211> 381
      <212> DNA
      <213> Homo sapien
```

```
<400> 755
ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga acttttaaat       60
taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta      120
caaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa      180
ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg      240
gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt      300
cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg      360
tgataataaa gtaatgaccg c                                                381

<210> 756
<211> 341
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(341)
<223> n = A,T,C or G

<400> 756
ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac       60
atctttatta tctctaaagc actttcctca acctaatttc agtttttaca attggtactc      120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa      180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaatcccaa      240
cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca      300
acatggcgaa accccgtctc taccaaaaat acaaaaatca g                          341

<210> 757
<211> 479
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

<400> 757
cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa       60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc      120
acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgcag aaatggcctg      180
atcatagctc tatgaaacaa tgaattcgga atgaaatctt accatgacac ctctctgtag      240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata      300
cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtnc      360
acatttctaa caacactttt cttttttcta gaggtcactc tcaaacactg atatatcact      420
atagnttgag ngtagggatt caagtaatca aaggttgtta ttgcaaaaga gccaggcag       479

<210> 758
<211> 267
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
```

```
      <222> (1)...(267)
      <223> n = A,T,C or G

      <400> 758
ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtccg        60
[illegible]                                                              120
ccttcagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgactag tcattgttgg       180
gtggtaatta gtcggttgtt gatgagatat ttggaggtgg ggatcaatag agggggaaat       240
aggatgatca gtactgcggc gggtagg                                           267

      <210> 759
      <211> 449
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(449)
      <223> n = A,T,C or G

      <400> 759
cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata        60
aagaaaggga angaggatta tgaagagagt catcagagag ctgtggctgc agaggtatcc       120
gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca       180
gaagcctttc tgaagaagct ggggctgatt agccgtgatc ctgcagcata tcccgacatg       240
gagtctgata tacgttcatg ggaattgttt ctttctaatg ttacaaaaga aattgagaaa       300
gcaaagtctc agtttgaaga acaaattaag gcaattaaaa atggttcccg gctcagtgaa       360
ctttctaaan ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccgag       420
ttactccctg agtcttcagg ccacgatgg                                         449

      <210> 760
      <211> 414
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(414)
      <223> n = A,T,C or G

      <400> 760
ccatnaactg gaagcagctc actaaacaaa cagnggcata cccatagaac tgcatacttc        60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa       120
atgccacatg aagaanccca agggggagaa acataaaaac tttatatgnc agncatataa       180
aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag       240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc       300
cttccatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata       360
gtaacaaaca gattgggttg gagtggggtg ttgtctgggg acatcattac aaan             414

      <210> 761
      <211> 429
      <212> DNA
      <213> Homo sapien

      <400> 761
```

```
gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaatgga        60
atgatttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc       120
tatcagtcat aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg       180
aatctcaaga gggtgaccat tgttgtttca gataccatcc ctaaggagag tggttaacag       240
gaagattgcc agtgttactg atggacagaa gtgtttgttt gttttttttc ttgtcaaaga       300
cttacaccat agttttaaat taaactgtca ggcattttct cagacaggtt ttccttttca       360
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta       420
catgcacc                                                                428

      <210> 762
      <211> 574
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(574)
      <223> n = A,T,C or G

      <400> 762
caggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga        60
gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc       120
ctctgaattt accacatgta acatcacaga gacatgtaga gttcctttag gatttgcgat       180
ttgaaccagn ccagtctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct       240
gaagacagaa ggaattaggg aaaagggtga tacttacagc gtaaaggaaa taaatgaaaa       300
gataatggta ttttcggtag ccacagggaa atagcaggag gggactggag atcacacaca       360
cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa       420
ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggcaag aatagaccag       480
ttaaaattca cctgaaaatc tcttcccann cttcaaatgt gctaaaatat cactgtcagc       540
ttagcatctc tncatgtatg tatatataga tgta                                   574

      <210> 763
      <211> 465
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(465)
      <223> n = A,T,C or G

      <400> 763
cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag        60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgngggc       120
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccac gctcggtagg       180
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt       240
tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa       300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc       360
ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ngtttcaatt       420
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggctg                       465

      <210> 764
      <211> 151
      <212> DNA
      <213> Homo sapien
```

<400> 764
ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca 60
aaaacattaa gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca 120
catttttcaa actaagctac tatatttaag g 151

<210> 765
<211> 251
<212> DNA
<213> Homo sapien

<400> 765
gaagagctta tcacctttca tgatcacgcc ctcatagtca ttttccttat ctgcttccta 60
gtcctgtatg cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac 120
gctcaggaaa tagtaaccgt ctgaactatc ctgcccgcca tcatcctagt cctcatcgcc 180
ctcccatccc tacgcatcct ttacataaca gacgaggtca acgatccctc ccttaccatc 240
aaatcaattg g 251

<210> 766
<211> 375
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(375)
<223> n = A,T,C or G

<400> 766
cgaggtctgn cctcctggtt cttcatccat tattaacaga agagcatact ggtttcggtc 60
cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120
tttaatttct ggctttccta tcttcttctt caggatagct tccttcagca tagaattgtt 180
ttccaatata aaatattttg ctgggttgtc cgtactatgt aggctgacca ctgggaccct 240
tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata 300
tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360
agaagcactg tacag 375

<210> 767
<211> 485
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

<400> 767
cgaggtctga accctcgtgg agccattcat acaggtccct aattaaggaa caagtgatta 60
tgctaccttn gcacggttag ggtacccggg cccgttaaac atgtgtcact gggcaggcgg 120
tgcctctaat actggtgatg ctagaggtga tgtttttggn aaacaggcgg ggtaagattt 180
gccgagttcc ttttactttt tttaactttt ccttatgagc atgcctctgt tgggttgaca 240
gtgagggtaa taatgacttg ttggtgattg tagatattgg gctgttaatt gtcagttcag 300
tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca 360
ttagttcttc tatagggtga tagatnggtc caattgggtg tgaggagctc acttatatgt 420

```
ttgggatttt ttaggtaagn gggtgttgag cttgaacgct ttcttaattg ggggctgctt      480
ttang                                                                  485

      <210> 768
      <211> 379
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(379)
      <223> n = A,T,C or G

      <400> 768
ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa       60
acaactgaaa aggtggaatt tctccctaat tcattttagg aggccagcat tatactgata      120
ccaaaacctg gcagaggtac aataataaaa ggaaacttca agtcagtatc actgatgaac      180
accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaag      240
ctaatccacc acaatcaagt cagcttcatc cctgcgatgc aagtctggtt caacatatgc      300
aaatcaatta atacaattca tcagataaac agagctaaag accaaattca catgattttc      360
tcaatagatg cagaaaagg                                                   379

      <210> 769
      <211> 518
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(518)
      <223> n = A,T,C or G

      <400> 769
cgaggtccat atgatgatca gtctatatag tttaaggcgc agatacacaa attttcaaaa       60
atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcactggagg      120
gaggctttat tgtttgtcaa aacatgttgt catcactttt tgctttaagc ccttggtggt      180
gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta      240
ccatcccact catcaatgtg attggtcagt ctttgctgag gncctgcata gccagtttta      300
aagttagagt tcttgcatat acatatgaaa aggcatgtta cttgtgcttt caaagagctt      360
tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atggtggtag      420
tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc      480
agattgggtn tggaaagagc acttaagaaa gagggtgg                              518

      <210> 770
      <211> 378
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(378)
      <223> n = A,T,C or G

      <400> 770
tatgggtcct gagtgtggaa tataagataa caagacaatt ccattgcttt caagggaaat       60
```

```
cacactttat aaaactttga attcttgaaa tgggtttcag aggttccaag gtcaaattca      120
agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcattt      180
aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga      240
gatattgcaa cttgctctct ctctttgcca cccccacctt tgncatgctc tgtttttggg      300
ctgaattggc aagaaaaatg gctggagggc tggaagaagn tggacccttc ttccttcttc      360
[illegible]                                                            378

        <210> 771
        <211> 207
        <212> DNA
        <213> Homo sapien

        <400> 771
cataaatatt atactagcat ttaccatctc acttctaggg atactagtat atcgctcaca       60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac      120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt      180
ctttgccgcc tgcgaagcag cggtagg                                          207

        <210> 772
        <211> 384
        <212> DNA
        <213> Homo sapien

        <220>
        <221> misc_feature
        <222> (1)...(384)
        <223> n = A,T,C or G

        <400> 772
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga       60
gctgttcctc tttggactaa cagttaaatt tacaaggggа tttagagggt tctgngggca      120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt      180
ttgtcgcctc tacctataaa tcttcccact atttgctacc atagacgggt gtgctctttt      240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag      300
ttatttctcg ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct      360
tggttataat ttttcatctt tccc                                             384

        <210> 773
        <211> 182
        <212> DNA
        <213> Homo sapien

        <400> 773
cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa       60
atagaaaccg tctgaactat cctgcccgcc atcatcctag tcctcatcgc cctcccatcc      120
ctacgcatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt      180
gg                                                                     182

        <210> 774
        <211> 191
        <212> DNA
        <213> Homo sapien

        <400> 774
ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg       60
```

```
aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt      120
cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgattag tcattgttgg      180
gtggtaatta g                                                            191

      <210> 775
      <211> 192
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(192)
      <223> n = A,T,C or G

      <400> 775
ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtccg       60
angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt      120
cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg      180
ggtggtaatt aa                                                           192

      <210> 776
      <211> 144
      <212> DNA
      <213> Homo sapien

      <400> 776
ctgacccccct agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt      60
ggtctgttct ctcccattac acataggttt gtctcagcat gcaagagttt ttcctttaaa      120
aaaaaaaaaa aaaaaaaaaa aaaa                                              144

      <210> 777
      <211> 483
      <212> DNA
      <213> Homo sapien

      <220>
      <221> misc_feature
      <222> (1)...(483)
      <223> n = A,T,C or G

      <400> 777
cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga       60
gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca      120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt      180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt      240
agctgttctt aggtagctcg tctggtttcg gggtcttag ctttggctct ccttgcaaag       300
ttatttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc      360
ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt      420
tctgccgcct atactttatt tgggtaaatg gtttggctaa ngttgctggt agaaggtgga      480
gtg                                                                     483

      <210> 778
      <211> 393
      <212> DNA
      <213> Homo sapien
```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 778
ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga 60
gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg 120
atttcccaac agagatactt ctggtcttac tgcacagtct tttaagagaa atacttccat 180
tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac 240
ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttgtt ttagngngtc 300
accataaata tcaggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga 360
agcttgtggn ataaaacaat agtcaagatc cag 393

<210> 779
<211> 277
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G

<400> 779
cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg caaaggatgc 60
gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt 120
ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt gttaggaaaa 180
gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg 240
tgataagctc ttctatgata ggggaagtag cgtcttg 277

<210> 780
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 780
catgntatgg ataaccatnt taactgtatt ttntgcancc cgtaccttct tgggaataca 60
attgtctaac tttttatttt tggnctggct gttgtggtgt gcaaaactcc gtacattgct 120
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg 180
actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca 240
aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggg agcgacctta 300
tctctgtgct tcgggaagct aancaaac 328

<210> 781
<211> 305
<212> DNA
<213> Homo sapien

```
<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 781
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag     60
gagttattgt gcagngtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg    120
taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat    180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgaggtt tggctantgc    240
tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa    300
gacag                                                                305

<210> 782
<211> 497
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

<400> 782
cgaggtggct ttaattgatg ttaatgcctt atgtcaaatg taaagttaga atttgctagg     60
gctgggatag ggagtgatat ttctaggact tagacattga aaactaattc agcctgtagt    120
aacctggatg gttttcaatg gcatggttag tcaaattcat ggctttaaac ttagaagcag    180
ctttcggggg agagggtagg ttggagcatt tattacatat tttactgttt aatgtcttaa    240
ccgtgggcct tttaatttgt aaacactgaa atgattgttg ggctgtggaa aacatttacc    300
tatttacctt ggaagtttta aaagacagtc cactttttag catgtgtgtt gcgtccagcc    360
tgtggtcgtc ttaactaata aatgngattt ttctctcaaa aaaaaaacct ccccgggcgg    420
ccgctcaagg gcnaattccc cacactggcg gccgttacta ggggatccga nctcggtcca    480
agcttggcgt aatcatg                                                   497

<210> 783
<211> 364
<212> PRT
<213> Homo sapien

<400> 783
Met Trp Gln Pro Leu Phe Phe Lys Trp Leu Leu Ser Cys Cys Pro Gly
 1               5                  10                  15
Ser Ser Gln Ile Ala Ala Ala Ala Ser Thr Gln Pro Glu Asp Asp Ile
            20                  25                  30
Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
        35                  40                  45
Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
    50                  55                  60
Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
65                  70                  75                  80
Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
                85                  90                  95
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
            100                 105                 110
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
```

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        115                 120                 125
Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
    130                 135                 140
Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
145                 150                 155                 160
Val Ser Val Lys Pro Gly Glu Thr Val Ile Pro Lys Asp Glu Asp Gly
                165                 170                 175
Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
            180                 185                 190
Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
        195                 200                 205
Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
    210                 215                 220
Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln
225                 230                 235                 240
Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala
                245                 250                 255
Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn
            260                 265                 270
Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys
        275                 280                 285
His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg
    290                 295                 300
Gly Val Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln
305                 310                 315                 320
Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala
                325                 330                 335
Ile Asp Gly Leu Asn Arg Asn Val Arg Tyr Leu Thr Leu Asp Ile Phe
            340                 345                 350
Ala Gly Pro Pro Asn Tyr Pro Phe Ser Asp Glu Tyr
        355                 360

<210> 784
<211> 6353
<212> DNA
<213> Homo sapien

<400> 784
tggcgaatgg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg      60
cagcgtgacc gctacacttg ccagcgccct agcgcccgct cctttcgctt tcttcccttc     120
ctttctcgcc acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg     180
gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc     240
acgtagtggg ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt     300
ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc     360
ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaatg agctgattta     420
acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt     480
tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt caaatatgta     540
tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat     600
tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat gaaggagaaa     660
actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc     720
gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga     780
aatcaccatg agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc     840
agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac     900
cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac     960
aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat    1020
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tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag 1080
tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca 1140
taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac 1200
ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg 1260
tcgcacctga ttgcccgaca ttatcgcgag cccatttata cccatataaa tcagcatcca 1320
tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac 1380
cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa 1440
cgtgagtttt cgttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga 1500
gatccttttt ttctgcgcgt aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg 1560
gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc 1620
agagcgcaga taccaaatac tgtccttcta gtgtagccgt agttaggcca ccacttcaag 1680
aactctgtag caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc 1740
agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg 1800
cagcggtcgg gctgaacggg gggttcgtgc acacagccca gcttggagcg aacgacctac 1860
accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga 1920
aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt 1980
ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag 2040
cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg 2100
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<212> DNA
<213> Homo sapien

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Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
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Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
    50                  55                  60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65                  70                  75                  80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
                85                  90                  95
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        <212> PRT
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        <400> 787
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Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
        35                  40                  45
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
    50                  55                  60
Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
65                  70                  75                  80
Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
                85                  90                  95
Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
            100                 105                 110
Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
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Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
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        35                  40                  45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
    50                  55                  60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
65                  70                  75                  80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
                85                  90                  95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
            100                 105                 110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
        115                 120                 125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
    130                 135                 140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145                 150                 155                 160
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu
            180                 185                 190
Glu Glu Glu Glu Glu Glu Asp Glu
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cctacacctg ggcagcagac agaagaagat caggatacag ctgagatccc agtgcgcgac 240
atggaaggtg atctgcaaga gctgcatcag tcaaacaccg gggataaatc tggatttggg 300
ttccggcgtc aaggtgaaga taatacctaa agaggaacac tgtaaaatgc cagaagcagg 360
tgaagagcaa ccacaagttt aaatgaagac aagctgaaac aacgcaagct ggttttatat 420
tagatatttg acttaaacta tctcaataaa gttttgc                         457


<210> 791
<211> 126
<212> PRT
<213> Homo sapiens
```

<400> 791

```
Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val
                5                   10                  15

Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr
            20                  25                  30

Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
        35                  40                  45

Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
    50                  55                  60

Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
65                  70                  75                  80

Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
                85                  90                  95

Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
            100                 105                 110

His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
        115                 120                 125
```

<210> 792
<211> 461
<212> DNA
<213> Homo sapiens

<400> 792

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agacacggcg gacacacaca aacacagaac cacacagcca gtccccggag cccagtaatg 120
gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 180
cagaagaaga tcaggataca gctgagatcc caggtgctgg gaaggcaaat gcgcgacatg 240
gaaggtgatc tgcaagagct gcatcagtca aacacccggg ataaatctgg atttgggttc 300
cggcgtcaag gtgaagataa tacctaaaga ggaacactgt aaaatgccag aagcaggtga 360
agagcaacca caagtttaaa tgaagacaag ctgaacaaac gcaagctggt tttatattag 420
atatttgact taaactatct caataaagtt ttgcagcttt c                      461
```

<210> 793
<211> 108
<212> PRT
<213> Homo sapiens

<400> 793

```
Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
                5                   10                  15

Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
            20                  25                  30

Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
```

```
            35                  40                  45

Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
    50                  55                  60

Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
65                  70                  75                  80

Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
                85                  90                  95

Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
            100                 105


<210> 794
<211> 970
<212> DNA
<213> Homo sapiens

<400> 794
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atgacctggt gttgtgtctg atcaccccaa cattcctggc tgcccaatgt ggggcaatga 180
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gcaaatatca cagtgttaga tgaactttct ggttgacacc tgacaggaag agcctctgta 420
ttggaccacc atgtttgtgc tcactgtgta gtaacaaacc aacacaccaa aatagcggga 480
gttgccactg acaaagagtt gaatgatcaa atgacggcca aaggaggagg ttccgagaag 540
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cagtgtgaag agagaagaca tattctacac ttcaaagctt tggtccactt ttcatcgacc 720
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<210> 795
<211> 152
<212> PRT
<213> Homo sapiens

<400> 795
Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
                5                   10                  15

Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
            20                  25                  30

Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
        35                  40                  45
```

```
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
     50                  55                  60

Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
 65                  70                  75                  80

Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
                 85                  90                  95

Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
            100                 105                 110

Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
        115                 120                 125

Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
    130                 135                 140

Phe Asn Pro Gln Ala Ala Gly Asp
145                 150
```

```
<210> 796
<211> 2435
<212> DNA
<213> Homo sapiens

<400> 796
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ccagacagcg tgccccccat cgatgtcctc tggatcaaag ggcccaggg aggtgactac 180
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<210> 797
<211> 120
<212> PRT
<213> Homo sapiens

<400> 797
Thr Thr Arg Pro Arg Thr Arg Gly Gln Arg Glu Ser Trp Arg His Leu
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Ala Ser Gly Ala Gly Val Gly Leu Gly Thr Ala Gly Ser Arg Pro Asp
20 25 30

Arg Gly Gly Val Gly Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro
35 40 45

Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
50 55 60

Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Trp Gly Cys Val Gln
65 70 75 80

Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly
85 90 95

Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala
100 105 110

Ser Pro Arg Cys Thr Thr Cys Arg
115 120

<210> 798
<211> 164
<212> PRT
<213> Homo sapiens

<400> 798
Pro Arg Val Arg Gly Arg Val Gly Ser Ala Ser His Gly Gly Thr Trp

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                5                   10                  15
Arg Ala Glu Pro Glu Ser Gly Trp Gly Pro Arg Gly Arg Gly Arg Thr
            20                  25                  30
Ala Ala Gly Ser Gly Glu Lys Arg Ala Leu Pro Trp His Gly Pro Pro
        35                  40                  45
Pro Pro Ala Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly
    50                  55                  60
Gly Gly Gly Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg
65                  70                  75                  80
Arg Asn Ala Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala
                85                  90                  95
Arg Ala Glu Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His
            100                 105                 110
Arg Arg Gly Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala
        115                 120                 125
Val Arg Val Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro
    130                 135                 140
Gly Gly Pro Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg
145                 150                 155                 160
Gly Pro Gly Arg


<210> 799
<211> 60
<212> PRT
<213> Homo sapiens

<400> 799
His Ala Ser Ala Asp Ala Trp Ala Ala Arg Val Met Ala Ala Pro Gly
                5                   10                  15
Glu Arg Ser Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro
            20                  25                  30
Arg Arg Gly Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Pro
        35                  40                  45
Pro Arg Pro Arg Gly Met Val Trp Pro Gly Arg Ser
    50                  55                  60


<210> 800
<211> 2477
<212> DNA
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<213> Homo sapien

<400> 800
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[illegible] [illegible] ttcagaggag atgaaagcca tagatggcct aaacagaaat 180
gtgcgatatt tgaccctgga tatttttgct ggccccccta attatccatt ttctgatgaa 240
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cagaggatgg ctctatgctg gtgactggac acatcgcctc tggttaaatc tctcctgctt 360
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<210> 801
<211> 1619
<212> DNA
<213> Homo sapien

<400> 801
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ccgcaacgcc gagcgcaccg acatctgccc gctcaaaggc ggctatgaga ggttttcctc 180

cgagtaccca gaattctgtt ctaaaaccaa ggccctggca gccatcccac ccccggttcc 240
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aagtctagtt acagtggatt tagaatatat ttatgttgat gtcaaacagc tgagcacggt 1560
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<210> 802
<211> 3115
<212> DNA
<213> Homo sapien

<400> 802
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atctcactat gttgcccagg ctcatctcaa gctcttgggc tcaagagatc ctcccacctc 180
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<212> DNA
<213> Homo sapien

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<212> DNA
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<211> 394
<212> PRT
<213> Homo sapiens

<400> 805
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Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
            20                  25                  30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
        35                  40                  45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
    50                  55                  60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
65                  70                  75                  80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
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                85                  90                  95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
            100                 105                 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
        115                 120                 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
    130                 135                 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
145                 150                 155                 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
                165                 170                 175

Glu Pro Leu Asp Leu Asp Cys Ser Ser Cys Gly Thr Pro Leu His Asp
            180                 185                 190

Gln Glu Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
        195                 200                 205

Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
    210                 215                 220

Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
225                 230                 235                 240

Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
                245                 250                 255

Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
            260                 265                 270

Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
        275                 280                 285

Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
    290                 295                 300

Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
305                 310                 315                 320

Phe Ser Phe Met Gly Glu Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
                325                 330                 335

Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Gly Glu
            340                 345                 350

Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
        355                 360                 365

Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
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His Ser Pro Ile Thr Thr Ser Pro Ser Cys
385                 390


<210> 206
<211> 302
<212> PRT
<213> Homo sapiens

<400> 206
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Asp Glu Arg Ser Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val
            20                  25                  30

Ser Leu Val Val Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile
        35                  40                  45

Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
    50                  55                  60

Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro
65                  70                  75                  80

Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr
                85                  90                  95

Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr
            100                 105                 110

Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu
        115                 120                 125

Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe
    130                 135                 140

Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys
145                 150                 155                 160

Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala
                165                 170                 175

Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
            180                 185                 190

Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
        195                 200                 205

Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
    210                 215                 220

Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
225                 230                 235                 240
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Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
                245                 250                 255

Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
            260                 265                 270

Val Phe Ser Phe Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser
        275                 280                 285

Leu Pro Tyr Leu His Ser Pro Ile Thr Thr Ser Pro Ser Cys
    290                 295                 300


<210> 807
<211> 3839
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 809
<211> 160
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<212> PRT
<213> Homo sapiens

<400> 809
Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
                5                   10                  15

Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly
            20                  25                  30

Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg
        35                  40                  45

Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
    50                  55                  60

His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
65                  70                  75                  80

Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
                85                  90                  95

Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys
            100                 105                 110

Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
        115                 120                 125

Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys
    130                 135                 140

Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
145                 150                 155                 160


<210> 810
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(624)
<223> n=A,T,C or G

<400> 810
atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60
agcccctcat gatnggcacc gggacagtca cgaggaaggg ctccaccttc cggcccatgg 120
acacggatgc cgaggaggca gggtgagcca ccgatgccgg cggccactat gactgcccgc 180
agcgggccgg ccgccacgag tacgcgctgc ccctggcgcc cccggagccc gagtacgcca 240
cgcccatcgt ggagcggcac gtgctgcgcg cccacacgtt ctctgcgcag agcggctacc 300
gcgtcccagg gccccagccc ggccacaaac actccctctc ctcgggcggc ttctcccccg 360
tagcgggtgt gggcgcccag gacggagact atcaaaggcc acacagcgca cagcctgcgg 420
acaggggcta cgaccggccc aaagctgtca gcgccctcgc caccgaaagc ggacaccctg 480
```

```
actctcagga gcccccaacg catcccggga caagtgacag ctattctgcc cccagagact 540
gcctcacacc cctcaaccag acggccatga ctgcccttct gtgaacacca tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg                                        624
```

```
<210> 811
<211> 572
<212> DNA
<213> Homo sapiens

<400> 811
agcgggctgt gaggacgctc tgggccaggc tgcagcggca gcgttccgag ctgctgggct 60
cttccgagga tgttctgata cgcgcgtcgg cctgcctgga ggaggcggcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgaggggggag gtgcgggctc 180
tgtacgagga gacggagcag cttcgggagc agagccggcg cccgccgagt cagaacttcg 240
cccgcgggga gcggcgaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
acctggaggc acaggcgcag aactcccagc tgtggcgggc gcacgaggcg ctgcgaacgc 420
agctggaggg ggcgcaggag cagatccgca ggctggagag cgaagcacga ggccgccagg 480
agcaaaccca acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcagggagc tg                               572


<210> 812
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(594)
<223> n=A,T,C or G

<400> 812
cggaagttgg cgcagcgcgg ttgccaatgg tcgctccctg atttnatgcc gctcgtggtg 60
ttttgcgggc tgccgtacag cggcaagagc cggcgtgctg aagagttgcg cgtggcgctg 120
gctgccgagg gccgcgcggt gtacgtggtg gacgacgcag ctgtcctggg cgcagaggac 180
ccagcggtgt acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
gtggaacggc gcctgagtcg ccacgacgtg gtcatcctgg actcgcttaa ctacatcaaa 300
ggtttccgtt acgagctcta ctgcctggca cggcgggcgc gcacccggct ctgcctggtc 360
tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcgggcgc gaacgagaac 420
cctggccgga acgtcagtgt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
gcggcgggca gcagcgtcct cagggaactg catactgcgg actctgtagt aaatggaagt 540
gcccaggccg acgtacccaa cgaactggag cgagaagaat ccggggctgc ggag       594

<210> 813
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(561)
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<223> n=A,T,C or G

<400> 813
tctgacacac gagacgggtt atcccatctc cgcgcccctc tgtgggtatt acacagccac 60
tagatgaagc caaacattgt tggaggtact gaaatcttag actccaccat gtgtccagga 120
ncccattgac gtcctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
gcggtgatgg agctagatac ccaccacgga caatgatcat cagctttggg ttctctgggt 240
ctcacaggga cgcacattct aggggtagca cgcactcccc cctctagttg ctccacacaa 300
acgggatctc tcatccaggc gatacgtctg gtcctgtggc atgtggctct cnacgaaaca 360
ccagggangc attatgttgg ggacttcctg gggctctgct ggtctctgct ccagacccga 420
ttaatccgaa atgtgttaan tcgancacat gggtccacgt ccaggacagc tcccatcgaa 480
ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatcct cacaagcgan 540
agctctcgcn cnatatctgc g 561

<210> 814
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(307)
<223> n=A,T,C or G

<400> 814
cntcgnggng ttggttgtgt gggntnttct cgggtgactg ggtgnnatta ctggacccaa 60
ccnncgtgga aanggctggg nncgcggccg ntctngcaga agtatcccga tttttttttc 120
tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnncagg gntgttttgt aanttaaant ttcnggaaaa 240
tnggngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttaccc 307

<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n=A,T,C or G

<400> 815
ggcacgagat ataatcagac tcttactcct gtacttctag aaatgatgca aacacttcaa 60
ggacccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttggattaa gctgcttatg agatctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggt 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatttt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtccacat gcagatacga 540
ccatatgtgg gatgtttggt acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttcctgctcc agttattcac tgagtaccag atgtttcaca 720

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gccttcncat gtttattttt ctggaaaatg ggttaaaaat atnggtanga acctttggga 780
aaac                                                              784

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaacc acagatgcca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tccccccttg tgtttgggcc acaattttga aataattttt attatagcta 240
tgtgctgcca aagccagatt tttataaggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaaggggac agcagggtgt gaacggaaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catggtccgt tcttttcttt 420
gccctaaggg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtggttt 480
gtcgtgaggt ctgcttgtat ctcttcactg gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tggggcgggg gagggggccg ggaatagtca gctggcttta ccaccttcag gatctcgaat 660
tgggcgcttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtgttcgtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaactgg ngt                              813

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(229)
<223> n=A,T,C or G

<400> 817
gaaactttta cattaatgat ttattaaaan aaacaactcc ttgtcccact ccactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaagc tgtttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac             229

<210> 818
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(781)
<223> n=A,T,C or G
```

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<400> 818
ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggtcct tccaggacaa 60
cttggttagg gctccagggt ggcctctcag gcagggaacg gcttttttcc tcctgtcttt 120
tcctcacatc acgtcctgcc ccaggtcact gcataaataa gtgctttgga aagtattcat 180
ctagaaagta acataaatac tgtacatgga aaagggttgc cgccccttag ccttcgcact 240
gccccagaga gctctccaca tattgcacac ggcctcccca gccctgtggg gtccaggcct 300
ggctgtgtct ttggtagaag cttcagggac agttcctggg cagccccgac atctncaccc 360
tgctcccaaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
tcgtggcctt ctaccangga tgctttcaca aggatgagac agaatcccaa tggtatgccc 480
ctgcttggac actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
gcaggtggac aggtgantcc tggcccacan aggcaggctc acacccttca cangaatagg 600
tggtttgagc tgtcatctcg gcccacggtc tcctnntgcg ccaccccccc ttnntgaatc 660
gnaantcctc aaanccctta ccaccacttg atgaccnanc atttttangg cctggcttga 720
aggngggggc cttnggcccc ccnaaggggg aaatnccccc ggnngaatnc ccaangggga 780
a                                                                 781

<210> 819
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(199)
<223> n=A,T,C or G

<400> 819
cnnngtggaa anggctgggn nngcgggcgt tttcgnngta gtatcgcgnt tttttttttt 60
ttttngtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
taattaatgc ctgcaacctg tgctcgcaaa tctttgnaca aaacnanttg tgttggngat 180
gttcttttgg gtcgggcag                                              199

<210> 820
<211> 211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n=A,T,C or G

<400> 820
nanggcccga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agacagtnct ntgtgtgtct ctctgtctcn aagtacncnc tgaggnatct gntntctgtn 180
tntgngtaca cngtatctct cntggncata t                                211

<210> 821
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<222> (1)...(952)
<223> n=A,T,C or G

<400> 821
nnntcaggct cctggatgag ccctgcgana gagggtggca gcacggagag agctgctgga 60
[illegible] 120
cagcaccaag acgaaatggg aaactacatg tccccaggtt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgcccca ggcctgatca 300
cacctccagg gtcatgaggt cagagtcaag tgcagaggtt tttaaacata accaaaattt 360
caggagaggc caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatctgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacaggttc tgaaaggatc 660
cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780
tttggntggg ccaacgtttg gcctnaacaa atctngcggg ttgggatctt cttgntttcn 840
cncccagggg accnaaaacc tccntacntg naataaccnt ttttttttcn aaccntttan 900
ccantgggnt tnccnaaaaa acttgncccc ttttttttnc caanggnaaa at 952

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n=A,T,C or G

<400> 822
gccacgcgaa ctagtctcga gttttttttt ttttttttta acatttctga attttattac 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaaca atgaaaaaaa 120
aagtcttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggtc 240
tccacaagtc ctgattagtt ctgnaaggct ccattgggcc agctcagggt aacagtggga 300
atgagctcac agacaaaggc aggcaccagt tcctntgccc gggatgcagg ctggctcact 360
ccccangcgg ntgcatcttg cttcagactc atcaaactgc tgctgtccan ctccgncatg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnnaa 480
ttctgcttag ccttctncac tntgaaggnt gggtctttaa ctcttggatt tttttttccn 540
ggcaggggga accatgaatg gggtacatac ccacncnggg ntttggc 587

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n=A,T,C or G

<400> 823
ntcnatncct actangncaa actgactccg ccctnagnca cctngtggtc caaggctgcg 60

gagctgcgat acagccttcc gcgggtctgn tcgaaccccg acctntcntg gtgtntntcc 120
ntcccncncc ccaacccgcc aagggcctgc ctttcctnct gggcctttgc cagcgntcgg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
aaaccccggn tgatgttata aagg 264

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n=A,T,C or G

<400> 824
tgaagcngcc cccantntga tggatatctg caaaattcnc cctttcaccg gccgcccgcn 60
gcatgtctta ttatacaaca natccaactt ccctaagngg ntcacacatn ntaaggtatt 120
gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180
cttaaaagca ttttcctcaa tattcctcat atcggttatg gncaatggat acccatctga 240
gctggttgan ccctttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300
acaaacctaa ncaaccanca gatatacttg anggtntctc ctgtnatttc tcagattcca 360
atataccatt ttgccttnac acctacagcc cttaggggca tcctcnttcc ncanaacaaa 420
ncattntcac taagacagnc tggggtnntn caccaatggc taccaaacct ctgnccgcna 480
cccaccgcnt aaangccnga aattnccnan ccacacgggt 520

<210> 825
<211> 2064
<212> DNA
<213> Homo sapiens

<400> 825
cggtgcgctg agcgccggag gagcgtaggc agggcagcgc tggcgccagt ggcgacagga 60
gccgcgcgac cggcaaaaat acacgggagg ccgtcgccga aaagagtccg cggtcctctc 120
tcgtaaacac actctcctcc accggcgcct ccccctccgc tctgcgcgcc gcccggctgg 180
gcgcccgagg ccgccccgac tgctatgtga ccgcgaggct gcgggaggaa ggggacaggg 240
aagaagaggc tctcccgcgg gagcccttga ggaccaagtt tgcggccact tctgcaggcg 300
tcccttctta gctctcgccc gcccctttct gcagcctagg cggcccgggt tctcttctct 360
tcctcgcgcg cccagccgcc tcggttcccg gcgaccatgg tgacgatgga ggagctgcgg 420
gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcgcg 480
ggcggcagcg gcagccacgg caccctgggg ctgccgagcg gcggcaagtg cctgctgctg 540
gactgcagac cgttcctggc gcacagcgcg ggctacatcc taggttcggt caacgtgcgc 600
tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga gcctggagca gatcctgccc 660
gccgaggagg aggtacgcgc ccgcttgcgc tccggcctct actcggcggt catcgtctac 720
gacgagcgca gcccgcgcgc cgagagcctc cgcgaggaca gcaccgtgtc gctggtggtg 780
caggcgctgc gccgcaacgc cgagcgcacc gacatctgcc tgctcaaagg cggctatgag 840
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cccccggttc cccccagtgc cacagagccc ttggacctgg gctgcagctc ctgtgggacc 960
ccactacacg acccgggggg tcctgtggag atcctttcct tcctctacct cggcagtgcc 1020
taccatgctg ccgggagaga catgctggac gccctgggca tcacggctct gttgaatgtc 1080
tcctcggact gcccaaaccc ctttgaaggc cactatcagt acaagtgcat cccagtggaa 1140
gataaccaca aggccgacat cagctcctgg ttcatggaag ccatagagta catcgatgcc 1200
gtgaaggact gccgtgggcg cgtgctggtg cactgccagg cgggcatctc gcggtcggcc 1260
accatctgcc tggcctacct gatgatgaag aaacgggtga ggctggagga ggccttcgag 1320
ttcgttaagc agcgccgcag catcatctcg cccaacttca gcttcatggg gcagctgctg 1380

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cagttcgagt cccaggtgct ggccacgtcc tgtgctgcgg aggctgctag cccctcggga 1440
cccctgcggg agcggggcaa gacccccgcc acccccacct cgcagttcgt cttcagcttt 1500
ccggtctccg tgggcgtgca ctcggccccc agcagcctgc cctacctgca cagccccatc 1560
accacctctc ccagctgtta gagccgccct ggggccccca gaaccagagc tggctcccag 1620
caagggtagg acgggccgca tgcgggcaga aagttgggac tgagcagctg ggagcaggcg 1680
acggagctcc ttccccatca cttctccttg gccaacgacg aggccagcca gaatggcaat 1740
aaggactccg aatacataat aaaagcaaac agaacactcc aacttagagc aataacggct 1800
gccgcagcag ccagggaaga ccttggtttg gtttatgtgt cagtttcact tttccgatag 1860
aaatttctta cctcattttt ttaagcagta aggcttgaag tgatgaaacc cacagatcct 1920
agcaaatgtg cccaaccagc tttactaaag ggggaggaag ggagggcaaa gggatgagaa 1980
gacaagtttc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgttgtag 2040
ttaaaggaat ttcatttttt aaaa                                        2064

<210> 826
<211> 2109
<212> DNA
<213> Homo sapiens

<400> 826
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aaagagtccg cggtcctctc tcgtaaacac actctcctcc accggcgcct ccccctccgc 120
tctgcgcgcc gcccggctgg gcgcccgagg ccgctccgac tgctatgtga ccgcgaggct 180
gcgggaggaa gggaccaggg aagaagaggc tctcccgcgg gagccttga ggaccaagtt 240
tgcggccact tctgcaggcg tcccttctta gctctcgcct gcccctttct gcagcctagg 300
cggcccaggt tctcttctct tcctcgcgcg cccagccgcc tcggttcccg gcgaccatgg 360
tgacgatgga ggagctgcgg gagatggact gcagtgtgct caaaaggctg atgaaccggg 420
acgagaatgg cggcggcgcg ggcggcagcg gcagcgacgg caccctgggg ctgccgagcg 480
gcgccaagtc cctgctgctg gactgcagac cgttcctggc gcacgcgcgg ggctacatcc 540
taggttcggt caacgtgcgc tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga 600
gcctggagca gatcctgccc gccgaggagg aggtacgccc ccgcttgcgc tccggcctct 660
actcggcggt catcgtctac gacgagcgca gcccgcgcgc cgagagcctc cgcgaggaca 720
gcaccgtgtc gctggtggtg caggcgctgc gccgcaacgc cgagcgcacc gacatctgcc 780
tgctcaaagg cggctatgag aggttttcct ccgagtaccc agaattctgt tctaaaacca 840
aggccctggc agccatccca ccccggttcc ccgccagcgc cacagagccc ttggacctgg 900
gctgcagctc ctgtgggacc ccactacacg accagggggg tcctgtggag atccttccct 960
tcctctacct cggcagtgcc taccatgctg cccggagaga catgctggac gccctgggca 1020
tcacggctct gttgaatgtc tcctcggact gcccaaacca ctttgaggga cactatcagt 1080
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            20                  25                  30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
        35                  40                  45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
    50                  55                  60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
65                  70                  75                  80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
                85                  90                  95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
            100                 105                 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
        115                 120                 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
    130                 135                 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
145                 150                 155                 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
                165                 170                 175

Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp
            180                 185                 190

Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
        195                 200                 205

Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
    210                 215                 220

Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
225                 230                 235                 240

Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
                245                 250                 255
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Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
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Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
        275                 280                 285

Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
    290                 295                 300

Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
305                 310                 315                 320

Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
                325                 330                 335

Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Arg Glu
            340                 345                 350

Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
        355                 360                 365

Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
    370                 375                 380

His Ser Pro Ile Thr Thr Ser Pro Ser Cys
385                 390
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